

Bargath LLC
1058 CR #215
P.O. Box 370
Parachute, CO 81635-0370



April 4, 2011

Via FEDEX and Electronic Mail

Mr. Alex Fischer
Environmental Supervisor-Western Colorado
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203

**RE: Form 27 Transmittal
Bargath LLC, Jangles Compressor Station
COGCC Release Tracking Number 2524424**

Mr. Fischer,

As per your verbal request following receipt of a Colorado Oil and Gas Conservation Commission (COGCC) Form 19, Bargath LLC (Bargath) is submitting the attached COGCC Form 27 Site Investigation and Remediation Workplan. Specifically, the Form 27 is being submitted to outline Bargath's site investigation and remediation plan for release number 2524424, associated with a natural gas condensate release from the Jangles Compressor Station (COGCC Facility 421719).

The attached document includes:

- COGCC Form 27 and 27a
- Sensitive Area Determination
- Site Investigation and Remediation Workplan
- Facility Diagram
- Tabulated Analytical and Field Screening Results
- Laboratory Analytical Data

If you have any questions or concerns, please contact me at 970-623-8988, or at john.suchar@williams.com. Furthermore, Bargath would welcome a meeting with you to discuss the remediation plan, and/or would also like to extend an invitation for a site visit, should you determine either beneficial for your purposes.

Sincerely,
Bargath LLC

A handwritten signature in black ink, appearing to be 'JS', written in a cursive style.

John Suchar
Environmental Specialist
Bargath LLC

cc:

Doug Parce, Bargath LLC
file

State of Colorado
Oil and Gas Conservation Commission



1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)894-2100 Fax:(303)894-2109

FOR OGCC USE ONLY

Rec 4/6/11

OGCC Employee:

Spill Complaint
 Inspection NOAV

Tracking No: **2524424**

SITE INVESTIGATION AND REMEDIATION WORKPLAN

This form shall be submitted to the Director for approval prior to the initiation of site investigation and remediation activities. Form 27 is intended to be used whenever possible. Additional documentation will be required when large volumes of soil and groundwater have been impacted or involve large facilities with multiple source areas. See Rule 910. Attach as many pages as needed to fully describe the proposed work.

CAUSE OF CONDITION BEING INVESTIGATED AND REMEDIATED

Spill or Release Plug & Abandon Central Facility Closure Site/Facility Closure Other (describe): _____

OGCC Operator Number: <u>10128</u>	Contact Name and Telephone: _____
Name of Operator: <u>Bargath LLC</u>	<u>John Suchar</u>
Address: <u>4289 County Road 215</u>	No: <u>970-623-8988</u>
City: <u>Parachute</u> State: <u>CO</u> Zip: <u>81635</u>	Fax: _____

API Number: <u>N/A</u>	County: <u>Garfield</u>
Facility Name: <u>Jangles Compressor Station</u>	Facility Number: <u>421719, See map submitted with the Form 19.</u>
Well Name: <u>N/A</u>	Well Number: <u>N/A</u>
Location: (QtrQtr, Sec, Twp, Rng, Meridian): <u>SWSE, S20, T6S, R96W, 6PM</u> Latitude: <u>39.504193</u> Longitude: <u>-108.131969</u>	

TECHNICAL CONDITIONS

Type of Waste Causing Impact (crude oil, condensate, produced water, etc): Condensate

Site Conditions: Is location within a sensitive area (according to Rule 901e)? Y N If yes, attach evaluation.

Adjacent land use (cultivated, irrigated, dry land farming, industrial, residential, etc.): Range Land

Soil type, if not previously identified on Form 2A or Federal Surface Use Plan: Arvada loam - silty clay loam

Potential receptors (water wells within 1/4 mi, surface waters, etc.): depth to shallowest groundwater >50 ft based on soil boring data; surface water: ~274 feet (Jangles Ditch); ~322 feet (unnamed Intermittent Drainage); ~1,224 feet (Parachute Creek); Refer to attached SAD for additional information.

Description of Impact (if previously provided, refer to that form or document):

Impacted Media (check):	Extent of Impact:	How Determined:
<input checked="" type="checkbox"/> Soils	<u>Refer to previously Submitted From 19 Tracking # 2524424</u>	<u>Soil Borings</u>
<input type="checkbox"/> Vegetation	_____	_____
<input type="checkbox"/> Groundwater	_____	_____
<input type="checkbox"/> Surface Water	_____	_____

REMEDIALTION WORKPLAN

Describe initial action taken (if previously provided, refer to that form or document):

Refer to previously submitted Form 19, Tracking # 2524424

Describe how source is to be removed:

See Attachment A

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, insitu bioremediation, burning of oily vegetation, etc.:

See Attachment A

FORM
27
Rev 6/99

State of Colorado
Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801, Denver, Colorado 80203
(303)894-2100 Fax:(303)894-2109



Tracking Number: Form 19 Tracking# 2524424
Name of Operator: Bangor LLC
OGCC Operator No: 10128
Received Date: 4/6/11
Well Name & No: Jangle's Comp. Station
Facility Name & No: 421719

Page 2

REMEDIATION WORKPLAN (Cont.)

OGCC Employee:

If groundwater has been impacted, describe proposed monitoring plan (# of wells or sample points, sampling schedule, analytical methods, etc.):

See Attachment A

Describe reclamation plan. Discuss existing and new grade recontouring; method and testing of compaction alleviation; and reseeding program, including location of new seed, seed mix and noxious weed prevention. Attach diagram or drawing. Use additional sheet for description if required.

See Attachment A

Attach samples and analytical results taken to verify remediation of impacts. Show locations of samples on an onsite schematic or drawing.

Is further site investigation required? Y N If yes, describe:

See Attachment A

Final disposition of E&P waste (landtreated and disposed onsite, name of licensed disposal facility, recycling, reuse, etc.):

See Attachment A

IMPLEMENTATION SCHEDULE

Date Site Investigation Began: 2/14/2011 Date Site Investigation Completed: 3/25/2011 Date Remediation Plan Submitted: _____
Remediation Start Date: April 2011 Anticipated Completion Date: August 2011 Actual Completion Date: TBD

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: John Suchar Signed: [Signature]

Title: Environmental Specialist Date: 4-4-2011

OGCC Approved: [Signature] Title: Env. Sup. Date: 4/12/11

Sensitive Area Determination Checklist

Bargath, LLC		
Person(s) Conducting Field Inspection	Mark E. Mumby	3/23/2011
Site Information		
Location:	Jangles Compressor Station	Time: 12:00
Type of Facility:	Existing Compressor Station	
Environmental Conditions	Partly Cloudy, Cold, windy	
Temperature (°F)	~38	

Has the proposed, new or existing location been designated as a sensitive area?

Yes No

SURFACE WATER

1. Are there any surface water features or SWSAs adjacent to or within ¼ mile of the proposed/new or existing facility?

Yes No

If yes, list type of surface water feature(s), i.e. rivers, creeks, streams, seeps, springs, wetlands: Jangles Ditch, a USGS indentified irrigation ditch; one USGS identified unnamed intermittent drainage; and Parachute Creek, a USGS identified perennial stream

If yes, describe location relative to facility: The Jangles Ditch is located 274 feet east, the unnamed intermittent drainage is located 322 feet south, and Parachute Creek is located 1, 224 feet east of the existing facility.

2. Could a potential release from the facility reach surface water features?

Yes No

If yes, describe the pathway a release from the facility would likely follow to determine if the potential to impact surface water is high or low. A potential release, if it were to migrate off the facility would tend to flow the east southeast following the natural contours of the area.

3. Is the potential to impact surface water from a facility release high or low?

Moderate when the Jangles ditch is flowing

Low during periods of non-flow

GROUNDWATER

1. Will the proposed/new or existing facility have any pits which will contain hydrocarbons and chlorides or other E&P wastes?
 Yes No
If yes, List the pit type(s):

2. Is the site of the proposed facility underlain by an unconfined aquifer or recharge zone?
 Yes No

3. Is the hydraulic conductivity of the underlying soil or geologic material $\leq 1.0 \times 10^{-7}$ cm/sec?
 Yes No

4. Is the proposed facility located within 1/8 mile of a domestic water well or 1/4 mile of a public water supply well which would use the same aquifer?
 Yes No

5. Is the proposed facility located within a 100 year floodplain?
 Yes (*Sensitive Area*) No (*If no, proceed to question #6.*)

6. Is the depth to groundwater known?
 Yes (*If yes, follow instructions provided in 6(a) of this section.*)
 No (*If no, follow instructions provided in 6(b) of this section.*)
 - (a) If yes, could a potential release from the proposed facility reach groundwater?
 Yes No
If yes, explain:

 - (b) If no:
 - (i) Evaluate surrounding soils, topography, and vegetation which may suggest the presence of shallow groundwater.
 - (ii) Gather information from surrounding well data in order to determine a depth to groundwater, i.e. State Engineers Office.

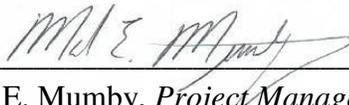
7. Is the potential to impact ground water from the facility in the event of a release high or low?
 High Low

Additional Comments:

As stated in the surface water section of this sensitive area determination, there are three USGS identified surface water features located within one quarter mile of the facility. Jangles Ditch, located southeast of the facility, flows during the late spring, summer, and early fall during the irrigation season. It does not flow during the late fall, winter and early spring months. The unnamed USGS identified intermittent drainage appears to flow only during the spring runoff period and after large precipitation events. This was confirmed during the site visit as the stream channel was small but defined and minor flow was observed as snowmelt in the area was occurring. The facility, as it is currently constructed, limits the flow direction of a potential release to the northeaster and southeastern corner of the facility. There it would follow the natural contours of the land surface directly towards the Jangles Ditch. It is not anticipated that a potential release off the facility would directly impact the unnamed intermittent drainage. Flow, as stated above, would be in a southeasterly direction towards the Jangles Ditch. In addition, flow in the Jangles Ditch is directed into a culvert above the unnamed intermittent drainage thus preventing flow into it. Both the Jangles Ditch and the unnamed intermittent drainage are located within 500 feet of the existing facility. By COGCC decision, this would classify the facility as being in a sensitive area.

The State engineers office and USGS records were reviewed and no records were revealed that would provide additional information pertaining to the depth to groundwater. Recent site investigation activities has determined that groundwater is present at a depth of 75 feet based on drilling logs from a monitoring well recently installed at the facility. The depth to groundwater in the well is approximately 58 feet. However, it has not been determined if groundwater encountered is from a semi-confined system or from an unconfined system with water present in the clays above 75 feet. Additional drilling has been proposed to determine this.

Based on the information collected during the site visit and desktop review, the potential to impact surface water features has been deemed moderate to high. The potential to impact groundwater is still under investigation. However, if it is determined that water is present, in an unconfined system; the potential to impact groundwater could be considered moderate. Therefore the facility should be considered as being in a sensitive area.

Inspector Signature(s):  Date: 3/31/2011
Mark E. Mumby, *Project Manager/RPG*
HRL Compliance Solutions, Inc.

Attachment A

Describe how source is to be removed

- The compromised fitting has been repaired thus preventing any additional fluid loss to the subsurface soils.
- Based on analytical results, it appears that some of the oil may be partitioning into the underlying soils due to storm water runoff from the compressor building roof. Therefore, it has been proposed that a gutter be installed along the roof line of the compressor station, on the south side, to direct this storm water away from the area of impact and alleviate additional transport of contaminants vertically and laterally.
- It is anticipated that the installation of the rain gutter will lessen the impacts at depth as the soil dries out over time.

Describe how remediation of existing impacts is to be accomplished, including removal and disposal at an injection well or licensed facility, land treatment on site, removal of impacted groundwater, in-situ bioremediation, burning of oil vegetation, etc.:

The impacted area will be remediated in accordance with COGCC Rules 906e, 909, and 910. Specifically, Bargath, LLC (Bargath) will remediate the impacted area utilizing in-situ bioremediation and bio-venting techniques as follows:

- Install 2-inch PVC or steel pipe at a depth of the oil dump lines and suction line. All of the pipe will run horizontally as follows: Two of the slotted pipes will run parallel to the lines and one perpendicular as illustrated in Figure 1.
- Treat the hydrocarbon impacted area with a 3% bio-remediation solution;
- Installation of the "infiltration lines", as shown on Figure 1, will allow the bioremediation product to infiltrate into the soil without the risk of puncturing one of the dump or suction lines with a drill rig.
- Install slotted 1-inch PVC pipe in 3 locations to a depth of approximately 45-feet within the impacted area utilizing either an auger or air rotary rig. The locations of these borings are depicted in Figure 1.
- Inject a 3% bio-remediation solution into the hydrocarbon impacted area at depth.
- Monitor and maintain appropriate moisture content within the treated area by dispatching a water truck to the site and applying water to both the horizontal infiltration and vertical pipes.
- Connect a positive pressure air pump to the vertical injection pipes in order to keep the treated areas in an aerobic environment.

- Hydrocarbon concentrations within the impacted area will be monitored and a second treatment of 3% bio-remediation solution to the area after one month of initial treatment will be applied if required;
- Collection of confirmation soil samples for the organic range (hydrocarbon) of the Table 910-1 soil suite from the treated area once field screen results indicate hydrocarbon concentrations below COGCC allowable standards; and
- Issuance a Notice of Completion report to the COGCC upon successful completion of remediation.

The impacted area, as determined by surface and sub-surface site investigation, is estimated to be approximately 42 x 31 feet and at a depth of approximately 45-feet. The area of impact is denoted on Figure 1.

Upon completion of treatment (estimate 90-120 days), a drill rig will be utilized to collect confirmation samples using a split spoon sampler. The split spoon sampler will ensure samples are collected at discrete sample intervals within the treated area. It is anticipated that samples will be collected at 5 to 10-foot intervals and submitted to an accredited analytical laboratory for confirmation.

Bargath proposes in-situ remediation as a treatment option for 2 reasons:

- 1: limited space on the location for excavation of impacted soil and construction of on-site treatment cells; and
- 2: The existing facility would be structurally in jeopardy should excavation occur in such close proximity and;

If groundwater has been impacted, describe proposed monitoring plan

It has not been determined if groundwater has been impacted based on the initial site investigation completed to date. One monitoring well has been drilled on the southeastern edge of the facility in an attempt to determine the depth to groundwater. The well was drilled utilizing an air rotary rig in order to drill to a depth greater than that of the smaller auger rig. Soil was becoming moist at approximately 60 feet. There were good returns of cuttings to this depth. Water had to be added at a depth of 75 feet where the overburden becomes quite gravelly and is saturated based on observations at the surface. The hole was advanced to 96 feet with the top of bedrock estimated to be at approximately 92 feet based on penetration rate. Blowing air through the drill string with the bit 1 foot off bottom was lifting water to the surface at an estimated flow rate of 1.5 to 2.0 gallons per minute (GPM). The well was installed with a screened interval from 70 to 90 feet. Upon completion of the well, the static water level in the well was measured at approximately 58 feet. With the water level at 58 feet, the system

is either semi-confined or water is present in an unconfined setting in the tighter clays above 75 feet.

The well will be developed and sampled to determine if there are any impacts to groundwater at the greater depth. If no impacts are identified, it is proposed that four additional monitoring wells be drilled, as noted on Figure 1 to:

- Determine if there are or are not any impacts to groundwater;
- Determine if the system is semi confined or unconfined;
- Determine if groundwater flow is in a different direction than that of the monitoring well currently installed.

It is planned that any additional wells will be drilled to a depth of 60 feet. The holes will be allowed to sit for a period of time (estimate 24 hours) to determine if groundwater is present in the clays above 75 feet. If so, the wells will then be completed in these clays. If no water is present in these borings after 24 hours, the holes will be advanced to the gravels below the clays and completed as noted above. The wells will be developed and sampled for BTEX and GRO to determine if there are any impacts to groundwater. The proposed monitoring well locations are depicted on Figure 1. These wells will be drilled and sampled prior to any treatment of the impacted soils as the method of treatment could possibly change.

Describe reclamation plan

When the bioremediation system is installed the excavated area will be back filled with clean native material back to its original grade.

As this is a working compressor station, there are currently no plans for any reclamation on the facility.

Attach Samples and analytical results taken to verify remediation of impacts

Samples collected to date are attached with this Form 27 in raw and table format for review; see Table 1 and Appendix 1.

If groundwater is encountered; samples will be collected to determine if there are any impacts to groundwater. If contaminated groundwater is encountered, there could be potential changes to the remediation plan with regards to the prescribed treatment. If that is the case, an amended Form 27 will be submitted to the COGCC for approval. All data from samples collected will be provided to the COGCC in table and raw format.

Confirmation samples will be collected from the relevant media upon completion of treatment as stated above. These results will be provided with Notice of Completion report - COGCC Form 4.

Final disposition of E&P waste

The soil stockpiled on the location from the initial excavation, to repair the broken dump line, will be treated on-site to levels below COGCC Table 910-1 standards for organic constituents. When levels are below Table 910-1 standards the final disposition of the soil will be determined.

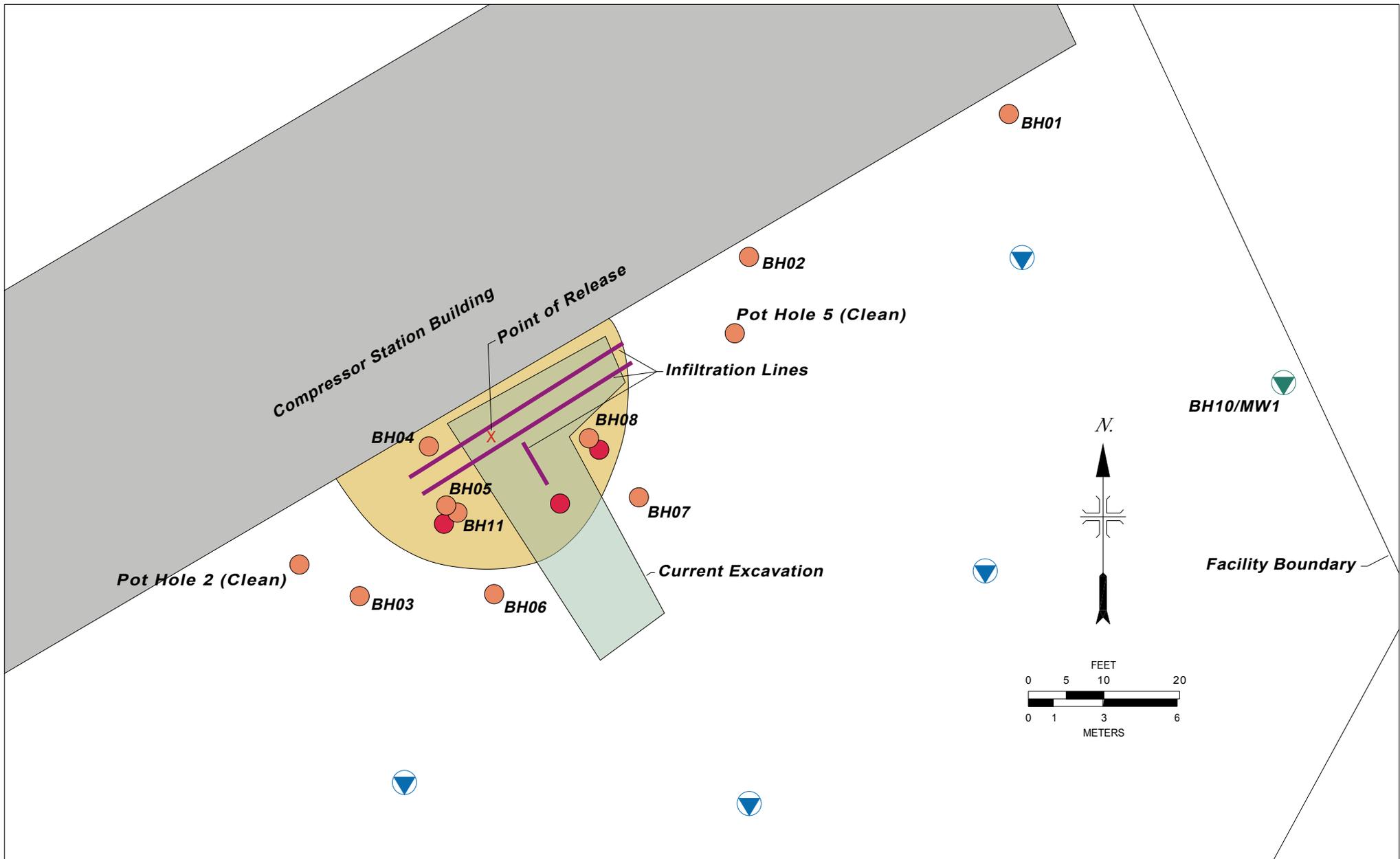


Figure 1 Existing and Proposed Borehole, Monitoring Well, Treatment Lines

-  Existing Monitoring Well Location
-  Existing Borehole Location
-  Proposed Injection Point Location
-  Proposed Monitoring Well Location
-  Approximate Area of Impact

Table 1. Jangles Compressor Station Analytical and Field Screening Results

Sample Location→→	BH01	BH01	BH02	BH02	BH03	BH03	BH04	BH05	BH05	BH05	BH05	BH05	BH05	BH05	BH06	
Depth→→	9-10 Feet	19-20 Feet	9-10 Feet	19-20 Feet	9-10 Feet	19-20 Feet	4-5 Feet	9-10 Feet	19-20 Feet	24-25 Feet	29-30 Feet	39-40 Feet	49-50 Feet	9-10 Feet		
Date Sampled→→	10/28/2010	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011		
Contaminant of Concern↓	Table 910-1 Standards/units ↓															
Organic Compounds in Soil																
DRO	N/A	N/A	32	7.310	40.400	5.040	4.960	15.800	107.000	169.000	115.000	NS	96.200	62.700	219.000	65.500
GRO	N/A	N/A	0.024	2.91	9.2	2.48	10.5	36.7	648	5810	1470	NS	1910	1520	1410	85.6
Total Petroleum Hydrocarbon (DRO+GRO)	500	mg/kg	32.024	10.220	49.600	7.520	15.460	52.500	755.000	5,979.000	1,585.000	NS	2,006.200	1,582.700	1,629.000	151.100
Benzene	0.17	mg/kg	ND	0.005	ND	ND	0.0025	0.0113	1.4	20.5	3.96	NS	3.1	4.31	4.87	0.18
Toluene	85	mg/kg	ND	0.0193	0.0029	0.0084	0.0118	0.0748	24.7	297	49.2	NS	76	60.6	57.1	0.794
Ethylbenzene	100	mg/kg	ND	ND	0.003	ND	ND	0.0139	2.87	27.3	6.17	NS	8.92	6.59	6.38	0.185
Xylenes (Total)	175	mg/kg	ND	0.0106	0.0455	0.0096	0.0141	0.27	38.1	423	101	NS	142	105	102	3.15
Acenaphthene	1,000	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS
Anthracene	1,000	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS
Benzo(A)anthracene	0.22	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS
Benzo(B)fluoranthene	0.22	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS
Benzo(K)fluoranthene	2.2	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS
Benzo(A)pyrene	0.022	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS
Chrysene	22	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS
Dibenzo(A,H)anthracene	0.022	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS
Fluoranthene	1,000	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS
Fluorene	1,000	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	0.0056	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	0.22	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS
Naphthalene	23	mg/kg	0.0085	NS	NS	NS	NS	NS	NS	NS	NS	0.183	NS	NS	NS	NS
Pyrene	1,000	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS
Inorganics in Soil																
EC	<4 mmhos/cm or 2 x background	mmhos/cm	3.52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SAR	<12	Unitless	26.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	6-9	Unitless	9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals in Soil																
Arsenic	0.39	mg/kg	2.16	NS	NS	NS	NS	NS	NS	NS	NS	11.5	NS	NS	NS	NS
Barium LDNR	15,000	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium total	15,000	mg/kg	8,940	NS	NS	NS	NS	NS	NS	NS	NS	306	NS	NS	NS	NS
Boron	2	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	70	mg/kg	0.181	NS	NS	NS	NS	NS	NS	NS	NS	0.39	NS	NS	NS	NS
Chromium (III)	120,000	mg/kg	7.95	NS	NS	NS	NS	NS	NS	NS	NS	14.5	NS	NS	NS	NS
Chromium (VI)	23	mg/kg	ND	NS	NS	NS	NS	NS	NS	NS	NS	2	NS	NS	NS	NS
Copper	3,100	mg/kg	16.6	NS	NS	NS	NS	NS	NS	NS	NS	24	NS	NS	NS	NS
Lead	400	mg/kg	5.63	NS	NS	NS	NS	NS	NS	NS	NS	14.6	NS	NS	NS	NS
Mercury	23	mg/kg	0.0239	NS	NS	NS	NS	NS	NS	NS	NS	0.0078	NS	NS	NS	NS
Nickel	1,600	mg/kg	7.99	NS	NS	NS	NS	NS	NS	NS	NS	20.3	NS	NS	NS	NS
Selenium	390	mg/kg	0.641	NS	NS	NS	NS	NS	NS	NS	NS	0.21	NS	NS	NS	NS
Silver	390	mg/kg	0.102	NS	NS	NS	NS	NS	NS	NS	NS	0.085	NS	NS	NS	NS
Zinc	23,000	mg/kg	57.3	NS	NS	NS	NS	NS	NS	NS	NS	60.2	NS	NS	NS	NS
Field Screening Results (PID) →→	N/A	N/A	4.2	4.3	51.4	4.5	4.4	4.7	1.52	1.75	816	1340	1.432	987	787	250

ND - Non Detect
 NS - Not Sampled
 Exceeds COGCC Table 910-1 Standard

Table 1. Jangles Compressor Station Analytical and Field Screening Results

Sample Location→→	BH06	BH07	BH07	BH08	BH08	BH09	B11	BH11	BH11	BH11	BH11	Under Building	
Depth→→	19-20 Feet	14-15 Feet	19-20 Feet	9-10 Feet	19-20 Feet	14-15 Feet	20 Feet	30 Feet	40 Feet	50-54 Feet	N/A		
Date Sampled→→	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011	2/16/2011	3/23/2011	3/23/2011	3/23/2011	3/23/2011	2/16/2011		
Contaminant of Concern↓	Table 910-1 Standards/units ↓												
Organic Compounds in Soil													
DRO	N/A	N/A	114.000	38.000	48.400	742.000	188.000	26.100	NS	NS	NS	NS	19.900
GRO	N/A	N/A	28.2	0.0158	15.8	5140	645	3.73	1910	2750	612	2750	155
Total Petroleum Hydrocarbon (DRO+GRO)	500	mg/kg	142.200	38.016	64.200	5,882.000	833.000	29.830	1,910.000	2,750.000	612.000	2,750.000	174.900
Benzene	0.17	mg/kg	0.0398	0.0176	0.0227	1.78	0.141	0.048	6.79	3.89	5	11.5	0.989
Toluene	85	mg/kg	1.01	0.6	0.614	66.3	2.78	0.0331	98.1	95.7	51.8	132	8.93
Ethylbenzene	100	mg/kg	0.0682	0.0716	0.0876	19.4	1.39	0.0042	11.3	14	5.09	13.6	0.698
Xylenes (Total)	175	mg/kg	2.66	2.02	2.28	289	30.3	0.0695	156	190	69.1	180	11.1
Acenaphthene	1,000	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	1,000	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(A)anthracene	0.22	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(B)fluoranthene	0.22	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(K)fluoranthene	2.2	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(A)pyrene	0.022	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	22	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(A,H)anthracene	0.022	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	1,000	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	1,000	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	0.22	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	23	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	1,000	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inorganics in Soil													
EC	<4 mmhos/cm or 2 x background	mmhos/cm	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SAR	<12	Unitless	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
pH	6-9	Unitless	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals in Soil													
Arsenic	0.39	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium LDNR	15,000	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium total	15,000	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Boron	2	mg/L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	70	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium (III)	120,000	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium (VI)	23	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Copper	3,100	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	400	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	23	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nickel	1,600	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	390	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	390	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	23,000	mg/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Field Screening Results (PID) →→	N/A	N/A	120	115	NS	1142	850	3.3	2167	2854	1807	1742	NS

ND - Non Detect
 NS - Not Sampled
 Exceeds COGCC Table 910-1 Standard

Appendix 1.

Raw Analytical Data

Technical Report for

HRL Compliance Solutions, Inc.

Bargath-Jangles Compressor Station Condensate Release

Accutest Job Number: T69436

Sampling Date: 02/16/11

Report to:

**HRL Compliance Solutions, Inc.
744 Horizon Ct Suite 140
Grand Junction, CO 81506
mmumby@hrlcomp.com**

ATTN: Mark Mumby

Total number of pages in report: 126



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul Canevaro
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-10-3) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004)
OK (9103)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

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Sample Summary

HRL Compliance Solutions, Inc.

Job No: T69436

Bargath-Jangles Compressor Station Condensate Release

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
T69436-1	02/16/11	09:30	02/19/11	SO	Soil	BH01 9-10'
T69436-2	02/16/11	09:45	02/19/11	SO	Soil	BH01 19-20'
T69436-3	02/16/11	10:40	02/19/11	SO	Soil	BH02 9-10'
T69436-4	02/16/11	10:50	02/19/11	SO	Soil	BH02 19-20'
T69436-5	02/16/11	11:20	02/19/11	SO	Soil	BH03 9-10'
T69436-6	02/16/11	11:35	02/19/11	SO	Soil	BH03 19-20'
T69436-7	02/16/11	11:45	02/19/11	SO	Soil	BH04 4-5'
T69436-8	02/16/11	12:10	02/19/11	SO	Soil	BH05 9-10'
T69436-9	02/16/11	12:20	02/19/11	SO	Soil	BH05 19-20'
T69436-10	02/16/11	12:25	02/19/11	SO	Soil	BH05 24-25'
T69436-11	02/16/11	12:35	02/19/11	SO	Soil	BH05 29-30'
T69436-12	02/16/11	12:50	02/19/11	SO	Soil	BH05 39-40'
T69436-13	02/16/11	13:10	02/19/11	SO	Soil	BH05 49-50'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

HRL Compliance Solutions, Inc.

Job No: T69436

Bargath-Jangles Compressor Station Condensate Release

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
T69436-14	02/16/11	13:50	02/19/11	SO	Soil	BH06 9-10'
T69436-15	02/16/11	14:00	02/19/11	SO	Soil	BH06 19-20'
T69436-16	02/16/11	14:25	02/19/11	SO	Soil	BH07 14-15'
T69436-17	02/16/11	14:35	02/19/11	SO	Soil	BH07 19-20'
T69436-18	02/16/11	15:00	02/19/11	SO	Soil	BH08 9-10'
T69436-19	02/16/11	15:10	02/19/11	SO	Soil	BH08 19-20'
T69436-20	02/16/11	15:30	02/19/11	SO	Soil	BH09 14-15'
T69436-21	02/16/11	15:00	02/19/11	SO	Soil	UNDER BUILDING

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BH01 9-10'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-1	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	88.7
Method:	SW846 8260B		
Project:	Bargath-Jangles Compressor Station Condensate Release		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031930.D	1	02/22/11	FI	n/a	n/a	VM1305
Run #2							

	Initial Weight	Final Volume
Run #1	5.06 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.7	4.5	0.78	ug/kg	J
108-88-3	Toluene	7.8	4.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	4.5	1.0	ug/kg	
1330-20-7	Xylene (total)	8.6	13	2.3	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-121%
2037-26-5	Toluene-D8	105%		76-132%
460-00-4	4-Bromofluorobenzene	112%		73-165%
17060-07-0	1,2-Dichloroethane-D4	89%		57-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH01 9-10'	
Lab Sample ID:	T69436-1	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 88.7
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002718.D	1	02/23/11	AT	n/a	n/a	GHH145
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.09 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.01	6.2	0.37	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		46-127%
98-08-8	aaa-Trifluorotoluene	87%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH01 9-10'		Date Sampled: 02/16/11
Lab Sample ID: T69436-1		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 88.7
Method: SW846 8015 M SW846 3550B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10679.D	1	02/22/11	HD	02/21/11	OP17532	GJF136
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	74.5	3.7	3.1	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	102%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH01 19-20'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-2	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	92.8
Method:	SW846 8260B		
Project:	Bargath-Jangles Compressor Station Condensate Release		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031941.D	1	02/22/11	FI	n/a	n/a	VM1305
Run #2							

	Initial Weight	Final Volume
Run #1	5.47 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	5.0	3.9	0.69	ug/kg	
108-88-3	Toluene	19.3	3.9	0.93	ug/kg	
100-41-4	Ethylbenzene	ND	3.9	0.89	ug/kg	
1330-20-7	Xylene (total)	10.6	12	2.1	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-121%
2037-26-5	Toluene-D8	103%		76-132%
460-00-4	4-Bromofluorobenzene	108%		73-165%
17060-07-0	1,2-Dichloroethane-D4	89%		57-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH01 19-20'	
Lab Sample ID:	T69436-2	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 92.8
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002712.D	1	02/23/11	AT	n/a	n/a	GHH145
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.72 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2.91	5.1	0.31	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		46-127%
98-08-8	aaa-Trifluorotoluene	85%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH01 19-20'	
Lab Sample ID:	T69436-2	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015 M SW846 3550B	Percent Solids: 92.8
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10684.D	1	02/22/11	HD	02/21/11	OP17532	GJB136
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	7.31	3.6	2.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	80%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH02 9-10'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-3	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	88.2
Method:	SW846 8260B	Project: Bargath-Jangles Compressor Station Condensate Release	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031942.D	1	02/22/11	FI	n/a	n/a	VM1305
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.49 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.1	0.72	ug/kg	
108-88-3	Toluene	2.9	4.1	0.98	ug/kg	J
100-41-4	Ethylbenzene	3.0	4.1	0.93	ug/kg	J
1330-20-7	Xylene (total)	45.5	12	2.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-121%
2037-26-5	Toluene-D8	111%		76-132%
460-00-4	4-Bromofluorobenzene	125%		73-165%
17060-07-0	1,2-Dichloroethane-D4	89%		57-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH02 9-10'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-3	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	88.2
Method:	SW846 8015		
Project:	Bargath-Jangles Compressor Station Condensate Release		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002716.D	1	02/23/11	AT	n/a	n/a	GHH145
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.71 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	9.20	5.6	0.34	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		46-127%
98-08-8	aaa-Trifluorotoluene	91%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH02 9-10'	
Lab Sample ID:	T69436-3	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015 M SW846 3550B	Percent Solids: 88.2
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10685.D	1	02/22/11	HD	02/21/11	OP17532	GJF136
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	40.4	3.7	3.1	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	96%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH02 19-20'	
Lab Sample ID:	T69436-4	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8260B	Percent Solids: 84.9
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031943.D	1	02/22/11	FI	n/a	n/a	VM1305
Run #2							

	Initial Weight	Final Volume
Run #1	5.05 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.7	0.82	ug/kg	
108-88-3	Toluene	8.4	4.7	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	4.7	1.1	ug/kg	
1330-20-7	Xylene (total)	9.6	14	2.4	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-121%
2037-26-5	Toluene-D8	101%		76-132%
460-00-4	4-Bromofluorobenzene	105%		73-165%
17060-07-0	1,2-Dichloroethane-D4	90%		57-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH02 19-20'	
Lab Sample ID:	T69436-4	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 84.9
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002717.D	1	02/23/11	AT	n/a	n/a	GHH145
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.90 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2.48	5.9	0.35	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		46-127%
98-08-8	aaa-Trifluorotoluene	86%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH02 19-20'	
Lab Sample ID:	T69436-4	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015 M SW846 3550B	Percent Solids: 84.9
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10686.D	1	02/22/11	HD	02/21/11	OP17532	GJB136
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	5.04	3.9	3.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	104%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH03 9-10'		Date Sampled: 02/16/11
Lab Sample ID: T69436-5		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 83.8
Method: SW846 8260B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031944.D	1	02/22/11	FI	n/a	n/a	VM1305
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.32 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.5	4.5	0.78	ug/kg	J
108-88-3	Toluene	11.8	4.5	1.1	ug/kg	
100-41-4	Ethylbenzene	ND	4.5	1.0	ug/kg	
1330-20-7	Xylene (total)	14.1	13	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-121%
2037-26-5	Toluene-D8	105%		76-132%
460-00-4	4-Bromofluorobenzene	104%		73-165%
17060-07-0	1,2-Dichloroethane-D4	88%		57-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH03 9-10'	
Lab Sample ID:	T69436-5	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 83.8
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002721.D	1	02/23/11	AT	n/a	n/a	GHH145
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.08 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	10.5	6.8	0.41	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	79%		46-127%		
98-08-8	aaa-Trifluorotoluene	90%		44-120%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH03 9-10'	
Lab Sample ID:	T69436-5	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015 M SW846 3550B	Percent Solids: 83.8
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10727.D	1	02/24/11	HD	02/21/11	OP17532	GJF138
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	4.96	3.9	3.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	87%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH03 19-20'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-6	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	86.8
Method:	SW846 8260B		
Project:	Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0031945.D	1	02/22/11	FI	n/a	n/a	VM1305
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.74 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	11.3	4.0	0.70	ug/kg	
108-88-3	Toluene	74.8	4.0	0.95	ug/kg	
100-41-4	Ethylbenzene	13.9	4.0	0.91	ug/kg	
1330-20-7	Xylene (total)	270	12	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-121%
2037-26-5	Toluene-D8	125%		76-132%
460-00-4	4-Bromofluorobenzene	130%		73-165%
17060-07-0	1,2-Dichloroethane-D4	86%		57-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH03 19-20'	
Lab Sample ID:	T69436-6	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 86.8
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002722.D	1	02/23/11	AT	n/a	n/a	GHH145
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	36.7	6.5	0.39	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	114%		46-127%		
98-08-8	aaa-Trifluorotoluene	97%		44-120%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH03 19-20'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-6	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	86.8
Method:	SW846 8015 M SW846 3550B		
Project:	Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10688.D	1	02/22/11	HD	02/21/11	OP17532	GJB136
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	15.8	3.8	3.1	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	88%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH04 4-5'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-7	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8260B	Project: Bargath-Jangles Compressor Station Condensate Release	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0032001.D	10	02/23/11	FI	n/a	n/a	VM1307
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.31 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1400	2700	460	ug/kg	J
108-88-3	Toluene	24700	2700	630	ug/kg	
100-41-4	Ethylbenzene	2870	2700	600	ug/kg	
1330-20-7	Xylene (total)	38100	8000	1400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-121%
2037-26-5	Toluene-D8	109%		76-132%
460-00-4	4-Bromofluorobenzene	101%		73-165%
17060-07-0	1,2-Dichloroethane-D4	91%		57-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH04 4-5'	
Lab Sample ID:	T69436-7	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 83.5
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002723.D	10	02/23/11	AT	n/a	n/a	GHH145
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.31 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	648	66	4.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		46-127%
98-08-8	aaa-Trifluorotoluene	102%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH04 4-5'		Date Sampled: 02/16/11
Lab Sample ID: T69436-7		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 83.5
Method: SW846 8015 M SW846 3550B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10689.D	1	02/22/11	HD	02/21/11	OP17532	GJF136
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	107	4.0	3.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	93%		33-115%		

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 9-10'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-8	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	86.7
Method:	SW846 8260B		
Project:	Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0032002.D	40	02/23/11	FI	n/a	n/a	VM1307
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.40 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	20500	9800	1700	ug/kg	
108-88-3	Toluene	297000	9800	2300	ug/kg	
100-41-4	Ethylbenzene	27300	9800	2200	ug/kg	
1330-20-7	Xylene (total)	423000	29000	5100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-121%
2037-26-5	Toluene-D8	115%		76-132%
460-00-4	4-Bromofluorobenzene	102%		73-165%
17060-07-0	1,2-Dichloroethane-D4	91%		57-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 9-10'	
Lab Sample ID:	T69436-8	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 86.7
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002760.D	200	02/24/11	AT	n/a	n/a	GHH146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.40 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	5810	1200	73	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		46-127%
98-08-8	aaa-Trifluorotoluene	96%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 9-10'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-8	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	86.7
Method:	SW846 8015 M SW846 3550B		
Project:	Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10690.D	1	02/22/11	HD	02/21/11	OP17532	GJB136
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	169	3.8	3.1	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	93%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 19-20'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-9	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	88.6
Method:	SW846 8260B		
Project:	Bargath-Jangles Compressor Station Condensate Release		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0032003.D	5	02/23/11	FI	n/a	n/a	VM1307
Run #2	Y0046114.D	10	02/24/11	FI	n/a	n/a	VY2774

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.93 g	5.0 ml	100 ul
Run #2	5.93 g	5.0 ml	100 ul

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3960	1100	190	ug/kg	
108-88-3	Toluene	49200 ^a	2200	510	ug/kg	
100-41-4	Ethylbenzene	6170	1100	240	ug/kg	
1330-20-7	Xylene (total)	101000	3200	560	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	80%	70-121%
2037-26-5	Toluene-D8	127%	91%	76-132%
460-00-4	4-Bromofluorobenzene	104%	86%	73-165%
17060-07-0	1,2-Dichloroethane-D4	90%	75%	57-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 19-20'	
Lab Sample ID:	T69436-9	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 88.6
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002756.D	40	02/24/11	AT	n/a	n/a	GHH146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.93 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1470	220	13	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	102%		46-127%		
98-08-8	aaa-Trifluorotoluene	97%		44-120%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 19-20'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-9	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	88.6
Method:	SW846 8015 M SW846 3550B		
Project:	Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10691.D	1	02/22/11	HD	02/21/11	OP17532	GJF136
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	115	3.8	3.1	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	94%		33-115%		

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH05 24-25'		Date Sampled: 02/16/11
Lab Sample ID: T69436-10		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 81.6
Method: SW846 8270C BY SIM SW846 3550B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	J157861.D	1	02/22/11	SC	02/22/11	OP17546	EJ1073
Run #2	V3747.D	10	02/22/11	AM	02/22/11	OP17546	EV219

Run #	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2	30.1 g	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	8.1	1.4	ug/kg	
208-96-8	Acenaphthylene	ND	8.1	2.9	ug/kg	
120-12-7	Anthracene	ND	8.1	1.6	ug/kg	
56-55-3	Benzo(a)anthracene	ND	8.1	1.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	8.1	4.4	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	8.1	4.3	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	8.1	8.1	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	8.1	5.3	ug/kg	
218-01-9	Chrysene	ND	8.1	2.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	8.1	7.9	ug/kg	
206-44-0	Fluoranthene	ND	8.1	1.8	ug/kg	
86-73-7	Fluorene	5.6	8.1	2.9	ug/kg	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	8.1	6.1	ug/kg	
90-12-0	1-Methylnaphthalene	77.6	8.1	1.5	ug/kg	
91-57-6	2-Methylnaphthalene	193	8.1	1.4	ug/kg	
91-20-3	Naphthalene	183	8.1	1.2	ug/kg	
85-01-8	Phenanthrene	2.7	8.1	1.1	ug/kg	J
129-00-0	Pyrene	ND	8.1	2.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	124%	86%	10-127%
321-60-8	2-Fluorobiphenyl	44%	74%	11-133%
1718-51-0	Terphenyl-d14	80%	87%	15-187%

(a) Internal standards are not within the advisory limits. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH05 24-25'	Date Sampled: 02/16/11
Lab Sample ID: T69436-10	Date Received: 02/19/11
Matrix: SO - Soil	Percent Solids: 81.6
Project: Bargath-Jangles Compressor Station Condensate Release	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	11.5	0.73	0.12	mg/kg	1	02/22/11	02/23/11 TW	SW846 6010B ²	SW846 3050B ⁴
Barium	306	15	0.10	mg/kg	1	02/22/11	02/23/11 TW	SW846 6010B ²	SW846 3050B ⁴
Cadmium	0.39	0.36	0.020	mg/kg	1	02/22/11	02/23/11 TW	SW846 6010B ²	SW846 3050B ⁴
Chromium	16.5	0.73	0.034	mg/kg	1	02/22/11	02/23/11 TW	SW846 6010B ²	SW846 3050B ⁴
Copper	24.0	1.8	0.081	mg/kg	1	02/22/11	02/23/11 TW	SW846 6010B ²	SW846 3050B ⁴
Lead	14.6	0.73	0.073	mg/kg	1	02/22/11	02/23/11 TW	SW846 6010B ²	SW846 3050B ⁴
Mercury	0.0078 U	0.019	0.0078	mg/kg	1	02/22/11	02/22/11 CN	SW846 7471A ¹	SW846 7471A ³
Nickel	20.3	2.9	0.083	mg/kg	1	02/22/11	02/23/11 TW	SW846 6010B ²	SW846 3050B ⁴
Selenium	0.21 U	0.73	0.21	mg/kg	1	02/22/11	02/23/11 TW	SW846 6010B ²	SW846 3050B ⁴
Silver	0.085 U	0.73	0.085	mg/kg	1	02/22/11	02/23/11 TW	SW846 6010B ²	SW846 3050B ⁴
Zinc	60.2	1.5	0.12	mg/kg	1	02/22/11	02/23/11 TW	SW846 6010B ²	SW846 3050B ⁴

- (1) Instrument QC Batch: MA5500
- (2) Instrument QC Batch: MA5504
- (3) Prep QC Batch: MP14037
- (4) Prep QC Batch: MP14040

RL = Reporting Limit
 MDL = Method Detection Limit

U = Indicates a result < MDL
 B = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	BH05 24-25'		Date Sampled:	02/16/11
Lab Sample ID:	T69436-10	Date Received:	02/19/11	
Matrix:	SO - Soil	Percent Solids:	81.6	
Project:	Bargath-Jangles Compressor Station Condensate Release			

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	2.0 B	2.4	mg/kg	1	02/26/11 14:00	KD	SW846 3060/7196A
Chromium, Trivalent ^a	14.5	3.1	mg/kg	1	02/26/11 14:00	KD	SW846 6010/7196A M
Solids, Percent	81.6		%	1	02/25/11	LA	SM 2540 G

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID: BH05 29-30'	
Lab Sample ID: T69436-11	Date Sampled: 02/16/11
Matrix: SO - Soil	Date Received: 02/19/11
Method: SW846 8260B	Percent Solids: 84.6
Project: Bargath-Jangles Compressor Station Condensate Release	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0032004.D	10	02/23/11	FI	n/a	n/a	VM1307
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.76 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3100	2400	420	ug/kg	
108-88-3	Toluene	76000	2400	570	ug/kg	
100-41-4	Ethylbenzene	8920	2400	550	ug/kg	
1330-20-7	Xylene (total)	142000	7200	1300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-121%
2037-26-5	Toluene-D8	120%		76-132%
460-00-4	4-Bromofluorobenzene	104%		73-165%
17060-07-0	1,2-Dichloroethane-D4	91%		57-122%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 29-30'	
Lab Sample ID:	T69436-11	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 84.6
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002757.D	40	02/24/11	AT	n/a	n/a	GHH146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.76 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1910	240	14	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	107%		46-127%		
98-08-8	aaa-Trifluorotoluene	101%		44-120%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 29-30'	
Lab Sample ID:	T69436-11	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015 M SW846 3550B	Percent Solids: 84.6
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10692.D	1	02/22/11	HD	02/21/11	OP17532	GJB136
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	96.2	3.9	3.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	77%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH05 39-40'		Date Sampled: 02/16/11
Lab Sample ID: T69436-12		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 84.5
Method: SW846 8260B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0032005.D	5	02/23/11	FI	n/a	n/a	VM1307
Run #2	Y0046210.D	10	02/26/11	FI	n/a	n/a	VY2778

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.65 g	5.0 ml	100 ul
Run #2	5.65 g	5.0 ml	100 ul

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4310	1200	220	ug/kg	
108-88-3	Toluene	60600 ^a	2500	580	ug/kg	
100-41-4	Ethylbenzene	6590	1200	280	ug/kg	
1330-20-7	Xylene (total)	105000	3700	640	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	112%	70-121%
2037-26-5	Toluene-D8	127%	132%	76-132%
460-00-4	4-Bromofluorobenzene	103%	113%	73-165%
17060-07-0	1,2-Dichloroethane-D4	90%	98%	57-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 39-40'	
Lab Sample ID:	T69436-12	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 84.5
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002758.D	40	02/24/11	AT	n/a	n/a	GHH146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.65 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1520	250	15	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	93%		46-127%		
98-08-8	aaa-Trifluorotoluene	97%		44-120%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 39-40'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-12	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8015 M SW846 3550B		
Project:	Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10693.D	1	02/22/11	HD	02/21/11	OP17532	GJF136
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	62.7	3.9	3.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	94%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 49-50'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-13	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	87.2
Method:	SW846 8260B		
Project:	Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0032006.D	5	02/23/11	FI	n/a	n/a	VM1307
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.63 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4870	1200	200	ug/kg	
108-88-3	Toluene	57100	1200	280	ug/kg	
100-41-4	Ethylbenzene	6380	1200	260	ug/kg	
1330-20-7	Xylene (total)	102000	3500	610	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-121%
2037-26-5	Toluene-D8	126%		76-132%
460-00-4	4-Bromofluorobenzene	104%		73-165%
17060-07-0	1,2-Dichloroethane-D4	93%		57-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 49-50'	
Lab Sample ID:	T69436-13	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 87.2
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002759.D	40	02/24/11	AT	n/a	n/a	GHH146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.63 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1410	230	14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		46-127%
98-08-8	aaa-Trifluorotoluene	97%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH05 49-50'	
Lab Sample ID:	T69436-13	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015 M SW846 3550B	Percent Solids: 87.2
Project:	Bargath-Jangles Compressor Station Condensate Release	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10694.D	1	02/22/11	HD	02/21/11	OP17532	GJB136
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	219	3.8	3.1	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	93%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH06 9-10'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-14	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	91.1
Method:	SW846 8260B		
Project:	Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0032019.D	1	02/24/11	FI	n/a	n/a	VM1308
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.20 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	180	230	40	ug/kg	J
108-88-3	Toluene	794	230	55	ug/kg	
100-41-4	Ethylbenzene	185	230	52	ug/kg	J
1330-20-7	Xylene (total)	3150	690	120	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-121%
2037-26-5	Toluene-D8	112%		76-132%
460-00-4	4-Bromofluorobenzene	101%		73-165%
17060-07-0	1,2-Dichloroethane-D4	94%		57-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH06 9-10'	
Lab Sample ID:	T69436-14	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 91.1
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002752.D	4	02/24/11	AT	n/a	n/a	GHH146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.20 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	85.6	23	1.4	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	94%		46-127%		
98-08-8	aaa-Trifluorotoluene	94%		44-120%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH06 9-10'	
Lab Sample ID:	T69436-14	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015 M SW846 3550B	Percent Solids: 91.1
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10695.D	1	02/22/11	HD	02/21/11	OP17532	GJF136
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	65.5	3.6	3.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	97%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH06 19-20'		Date Sampled: 02/16/11
Lab Sample ID: T69436-15		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 93.7
Method: SW846 8260B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M0032017.D	1	02/24/11	FI	n/a	n/a	VM1308
Run #2	Y0046209.D	1	02/26/11	FI	n/a	n/a	VY2778

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.83 g	5.0 ml	
Run #2	5.78 g	5.0 ml	100 ul

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	39.8	3.7	0.64	ug/kg	
108-88-3	Toluene	1010 ^b	200	47	ug/kg	
100-41-4	Ethylbenzene	68.2	3.7	0.83	ug/kg	
1330-20-7	Xylene (total)	2660 ^b	590	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	111%	70-121%
2037-26-5	Toluene-D8	138% ^c	122%	76-132%
460-00-4	4-Bromofluorobenzene	147%	108%	73-165%
17060-07-0	1,2-Dichloroethane-D4	98%	96%	57-122%

- (a) Internal standards outside control limits due to matrix interference. Confirmed by reanalysis.
- (b) Result is from Run# 2
- (c) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH06 19-20'	
Lab Sample ID:	T69436-15	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 93.7
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002749.D	2	02/24/11	AT	n/a	n/a	GHH146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.78 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	28.2	9.9	0.59	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		46-127%
98-08-8	aaa-Trifluorotoluene	91%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH06 19-20'	
Lab Sample ID:	T69436-15	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015 M SW846 3550B	Percent Solids: 93.7
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10696.D	1	02/22/11	HD	02/21/11	OP17532	GJB136
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	114	3.5	2.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	74%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH07 14-15'		Date Sampled: 02/16/11
Lab Sample ID: T69436-16		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 93.0
Method: SW846 8260B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0032020.D	1	02/24/11	FI	n/a	n/a	VM1308
Run #2 ^a	M0032047.D	1	02/24/11	FI	n/a	n/a	VM1309

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.48 g	5.0 ml	100 ul
Run #2	5.24 g	5.0 ml	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	17.6 ^b	4.1	0.72	ug/kg	
108-88-3	Toluene	600	210	50	ug/kg	
100-41-4	Ethylbenzene	71.6 ^b	4.1	0.93	ug/kg	
1330-20-7	Xylene (total)	2020	630	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	96%	70-121%
2037-26-5	Toluene-D8	105%	120%	76-132%
460-00-4	4-Bromofluorobenzene	98%	133%	73-165%
17060-07-0	1,2-Dichloroethane-D4	95%	97%	57-122%

(a) Internal standards outside control limits due to matrix interference. Confirmed by reanalysis.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH07 14-15'	
Lab Sample ID:	T69436-16	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 93.0
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002766.D	1	02/24/11	AT	n/a	n/a	GHH146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.48 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	15.8	5.3	0.32	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		46-127%
98-08-8	aaa-Trifluorotoluene	90%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH07 14-15'		Date Sampled: 02/16/11
Lab Sample ID: T69436-16		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 93.0
Method: SW846 8015 M SW846 3550B		
Project: Bargath-Jangles Compressor Station Condensate Release		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10697.D	1	02/22/11	HD	02/21/11	OP17532	GJF136
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	38.0	3.6	2.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	85%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH07 19-20'		Date Sampled: 02/16/11
Lab Sample ID: T69436-17		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 93.9
Method: SW846 8260B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M0032018.D	1	02/24/11	FI	n/a	n/a	VM1308
Run #2	Y0046211.D	1	02/26/11	FI	n/a	n/a	VY2778

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.11 g	5.0 ml	
Run #2	5.16 g	5.0 ml	100 ul

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	22.7	4.2	0.73	ug/kg	
108-88-3	Toluene	614 ^b	220	52	ug/kg	
100-41-4	Ethylbenzene	87.6	4.2	0.94	ug/kg	
1330-20-7	Xylene (total)	2280 ^b	660	110	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	111%	70-121%
2037-26-5	Toluene-D8	123%	122%	76-132%
460-00-4	4-Bromofluorobenzene	138%	108%	73-165%
17060-07-0	1,2-Dichloroethane-D4	96%	96%	57-122%

(a) Internal standards outside control limits due to matrix interference. Confirmed by reanalysis.
 (b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH07 19-20'	
Lab Sample ID:	T69436-17	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 93.9
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002770.D	1	02/24/11	AT	n/a	n/a	GHH146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.16 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	15.8	5.5	0.33	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		46-127%
98-08-8	aaa-Trifluorotoluene	87%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH07 19-20'	
Lab Sample ID:	T69436-17	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015 M SW846 3550B	Percent Solids: 93.9
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10698.D	1	02/22/11	HD	02/21/11	OP17532	GJB136
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	48.4	3.5	2.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	70%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH08 9-10'		Date Sampled: 02/16/11
Lab Sample ID: T69436-18		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 89.3
Method: SW846 8260B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0032021.D	5	02/24/11	FI	n/a	n/a	VM1308
Run #2	Y0046212.D	20	02/26/11	FI	n/a	n/a	VY2778

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.44 g	5.0 ml	100 ul
Run #2	5.44 g	5.0 ml	100 ul

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1780	1100	200	ug/kg	
108-88-3	Toluene	66300 ^a	4600	1100	ug/kg	
100-41-4	Ethylbenzene	19400	1100	260	ug/kg	
1330-20-7	Xylene (total)	289000 ^a	14000	2400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	112%	70-121%
2037-26-5	Toluene-D8	169% ^b	81%	76-132%
460-00-4	4-Bromofluorobenzene	121%	117%	73-165%
17060-07-0	1,2-Dichloroethane-D4	97%	98%	57-122%

(a) Result is from Run# 2

(b) Outside control limits due to matrix interference. Confirmed by reanalysis.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH08 9-10'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-18	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	89.3
Method:	SW846 8015		
Project:	Bargath-Jangles Compressor Station Condensate Release		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002761.D	200	02/24/11	AT	n/a	n/a	GHH146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.44 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	5140	1100	69	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		46-127%
98-08-8	aaa-Trifluorotoluene	95%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH08 9-10'		Date Sampled: 02/16/11
Lab Sample ID: T69436-18		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 89.3
Method: SW846 8015 M SW846 3550B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10728.D	20	02/24/11	HD	02/21/11	OP17532	GJB138
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	742	74	61	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	0% ^a		33-115%		

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH08 19-20'		Date Sampled: 02/16/11
Lab Sample ID: T69436-19		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 93.0
Method: SW846 8260B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0032022.D	1	02/24/11	FI	n/a	n/a	VM1308
Run #2	M0032046.D	4	02/24/11	FI	n/a	n/a	VM1309

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.49 g	5.0 ml	100 ul
Run #2	5.49 g	5.0 ml	100 ul

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	141	210	37	ug/kg	J
108-88-3	Toluene	2780	210	50	ug/kg	
100-41-4	Ethylbenzene	1390	210	48	ug/kg	
1330-20-7	Xylene (total)	30300 ^a	2500	440	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	99%	70-121%
2037-26-5	Toluene-D8	128%	107%	76-132%
460-00-4	4-Bromofluorobenzene	124%	108%	73-165%
17060-07-0	1,2-Dichloroethane-D4	92%	95%	57-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH08 19-20'	Date Sampled:	02/16/11
Lab Sample ID:	T69436-19	Date Received:	02/19/11
Matrix:	SO - Soil	Percent Solids:	93.0
Method:	SW846 8015		
Project:	Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002753.D	20	02/24/11	AT	n/a	n/a	GHH146
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.49 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	645	110	6.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
460-00-4	4-Bromofluorobenzene	150% ^a		46-127%		
98-08-8	aaa-Trifluorotoluene	96%		44-120%		

(a) Outside control limits due to matrix interference. Confirmed by MS/MSD.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH08 19-20'	
Lab Sample ID:	T69436-19	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015 M SW846 3550B	Percent Solids: 93.0
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10810.D	10	02/25/11	HD	02/23/11	OP17563	GJB140
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	188	36	29	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	91%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH09 14-15'		Date Sampled: 02/16/11
Lab Sample ID: T69436-20		Date Received: 02/19/11
Matrix: SO - Soil		Percent Solids: 91.5
Method: SW846 8260B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0032014.D	1	02/24/11	FI	n/a	n/a	VM1308
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.48 g	5.0 ml
Run #2		

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4.8	4.0	0.70	ug/kg	
108-88-3	Toluene	33.1	4.0	0.95	ug/kg	
100-41-4	Ethylbenzene	4.2	4.0	0.90	ug/kg	
1330-20-7	Xylene (total)	69.5	12	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-121%
2037-26-5	Toluene-D8	113%		76-132%
460-00-4	4-Bromofluorobenzene	117%		73-165%
17060-07-0	1,2-Dichloroethane-D4	94%		57-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH09 14-15'	
Lab Sample ID:	T69436-20	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015	Percent Solids: 91.5
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002769.D	1	02/24/11	AT	n/a	n/a	GHH146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.56 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	3.73	5.4	0.32	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		46-127%
98-08-8	aaa-Trifluorotoluene	85%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH09 14-15'	
Lab Sample ID:	T69436-20	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015 M SW846 3550B	Percent Solids: 91.5
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10772.D	1	02/25/11	HD	02/23/11	OP17563	GJB138
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	26.1	3.6	3.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	104%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UNDER BUILDING		
Lab Sample ID:	T69436-21	Date Sampled:	02/16/11
Matrix:	SO - Soil	Date Received:	02/19/11
Method:	SW846 8260B	Percent Solids:	82.3
Project:	Bargath-Jangles Compressor Station Condensate Release		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0032023.D	1	02/24/11	FI	n/a	n/a	VM1308
Run #2							

Run #1	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.05 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	989	280	50	ug/kg	
108-88-3	Toluene	8930	280	67	ug/kg	
100-41-4	Ethylbenzene	698	280	64	ug/kg	
1330-20-7	Xylene (total)	11100	850	150	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-121%
2037-26-5	Toluene-D8	111%		76-132%
460-00-4	4-Bromofluorobenzene	102%		73-165%
17060-07-0	1,2-Dichloroethane-D4	94%		57-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UNDER BUILDING		
Lab Sample ID:	T69436-21	Date Sampled:	02/16/11
Matrix:	SO - Soil	Date Received:	02/19/11
Method:	SW846 8015	Percent Solids:	82.3
Project:	Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH0002738.D	10	02/24/11	AT	n/a	n/a	GHH145
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.05 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	155	71	4.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		46-127%
98-08-8	aaa-Trifluorotoluene	89%		44-120%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	UNDER BUILDING	
Lab Sample ID:	T69436-21	Date Sampled: 02/16/11
Matrix:	SO - Soil	Date Received: 02/19/11
Method:	SW846 8015 M SW846 3550B	Percent Solids: 82.3
Project:	Bargath-Jangles Compressor Station Condensate Release	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	JJ10811.D	1	02/25/11	HD	02/23/11	OP17563	GJF140
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	19.9	4.0	3.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	87%		33-115%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

10165 Harwin Dr, Ste 150 Houston, TX 77036
 TEL: 713-271-4700 FAX: 713-271-4770
 www.accutest.com

FED-EX Tracking # _____ Bottle Order Control # _____
 Accutest Quote # _____ Accutest Job # **T69436**

Client / Reporting Information		Project Information										Requested Analyses										Matrix Codes									
Company Name HRH Compliance Solutions		Project Name Bergath - Jangles Compressor Station Condensate Release										DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank										LAB USE ONLY									
Street Address 744 Horizon Ct Suite 140		Billing Information (If different from Report to)																													
City State Zip Grand Jct. CO 81506		Company Name Bergath LLC																													
Project Contact Mark Mumby mmumby@hrhcomp.com		Street Address 4289 County Rd 215																													
Phone # 970-213-3271		City State Zip Parachute CO 81635										BTEX/GRO DRO PAH - Table 910-1 Metals - Table 910-1																			
E-mail 3280		Project # 11-122																													
Sample(s) Name(s) Mark E. Mumby		Project Manager Mark Mumby																													
Field ID / Point of Collection		Collection																													
Accutest Sample #	Date	Time	Sampled By	Matrix	# of bottles	ICI	NIHCH	ZAN/CH	HHCO3	HUSO4	NO3E	DI/WHI	NIHCH	YESP	NIHNSO4	EMCORE	OTHER														
1	2/16/11	09:30	MEM	SO	2													X	X												
2		09:45																													
3		10:40																													
4		10:50																													
5		11:20																													
6		11:35																													
7		11:45																													
8		12:10																													
9		12:20																													
10		12:25			1																										
11		12:35			2																										
12		12:50																X	X	X	X										
Turnaround Time (Business days)		Data Deliverable Information										Comments / Special Instructions																			
<input type="checkbox"/> Standard <input checked="" type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 4 Day RUSH <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day EMERGENCY <small>Emergency & Rush TIA data available VIA Lablink</small>		Approved By (Accutest PI): / Date:										<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> TRRP <input checked="" type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> EDD Format <input type="checkbox"/> FUL1 (Level 3+4) <input type="checkbox"/> Other _____ <input type="checkbox"/> REDT1 (Level 3+4) <input type="checkbox"/> Commercial "C" <small>Commercial "A" = Results Only Commercial "B" = Results + QC Summary Commercial "C" = Results + QC & Surrogate Summary</small>										BIT04, BIT05, & Pass BIT08 - High Contaminant levels on Metals - Do not run Barium Run Total Barium									
Sample Custody must be documented below each time samples change possession, including courier delivery.																															
Relinquished by Sample:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:											
1	2/18/11 17:00	1	2	3/19/11	2	3	4	4	5	5	5	5	5	5	5	5	5	5	5	5											
Custody Seal #		<input type="checkbox"/> Intact Preserved where applicable <input type="checkbox"/> Not Intact <input type="checkbox"/>										On Ice <input checked="" type="checkbox"/> Cooler Temp. 5.9°C																			

31
3

10165 Harwin Dr, Ste 150 Houston, TX 77036
 TEL: 713-271-4700 FAX: 713-271-4770
 www.accutest.com

FED-EX Tracking # _____ Bottle Order Control # _____
 Accutest Quote # _____ Accutest Job # **T69436**

Client / Reporting Information		Project Information										Requested Analyses										Matrix Codes
Company Name HR Compliance Solutions		Project Name Bergoth - Jangles Compressor Station Condensate Release										BTEX/GRO PRO										DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipes FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank
Street Address 744 Horizon Ct Suite 140		Street																				
City State Zip Grand Jct. CO 81506		City State																				
Project Contact E-mail Mark Mumby mmumby@hrcomp.com		Project # 11-122																				
Phone # Fax # 970-243-3271 3280		Client Purchase Order #																				
Sampler(s) Name(s) Phone # Mark E. Mumby		Project Manager										Billing Information (if different from Report to)										LAB USE ONLY
Company Name Bergoth LLC		Street Address 4289 County Rd 215																				
City State Zip Persechute CO 81635		City State Zip Persechute CO 81635																				
Attention: John Suchar																						
Collection		Number of preserved Bottles																				
Accutest Sample #		Field ID / Point of Collection																				
Date		Time																				
Sampled By		Matrix																				
# of bottles																						
ICI		NICH																				
ZAN/BOH		HNC3																				
HSSDA		NONE																				
DI/Water		NINCSA																				
NEDH		ENCORE																				
TSP		OTHER																				
13		BH05 49-50'																				
14		BH06 9-10'																				
15		BH06 19-20'																				
16		BH07 14-15'																				
17		BH07 19-20'																				
18		BH08 9-10'																				
19		BH08 19-20'																				
20		BH09 14-15'																				
Turnaround Time (Business days)		Data Deliverable Information										Comments / Special Instructions										
<input type="checkbox"/> Standard <input checked="" type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 4 Day RUSH <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day EMERGENCY <small>Emergency & Rush TIA data available VIA LabLink</small>		Approved By (Accutest PM): / Date:										<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> TRRP <input checked="" type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> EDD Format <input type="checkbox"/> FULT1 (Level 3+4) <input type="checkbox"/> Other _____ <input type="checkbox"/> REDT1 (Level 3+4) <input type="checkbox"/> Commercial "C" <small>Commercial "A" = Results Only Commercial "B" = Results + QC Summary Commercial "C" = Results + QC & Surrogate Summary</small>										
Relinquished By: Sampler		Date Time:										Received By:										Date Time:
1 Mark E. Mumby		2/18/11 17:00										2 FED-EX										2/19/11 1000
Relinquished by Sampler:		Date Time:										Relinquished By:										Date Time:
3												4										
Relinquished by:		Date Time:										Received By:										Date Time:
5												5										
		Custody Seal #										<input type="checkbox"/> Intact Preserved where applicable <input type="checkbox"/> Not Intact <input type="checkbox"/>										Original <input checked="" type="checkbox"/> Cooler Temp. 5.90C

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SAMPLE INSPECTION FORM

Accutest Job Number: T69436 Client: HRL Compliance Solutions Date/Time Received: 2/19/11 1000

of Coolers Received: 1 Thermometer #: IRGun04 Temperature Adjustment Factor: 0

Cooler Temperatures (initial/adjusted): #1: 5.90C #2: _____ #3: _____ #4: _____ #5: _____

#6: _____ #7: _____ #8: _____ #9: _____ #10: _____ #11: _____ #12: _____

Method of Delivery: FEDEX UPS Accutest Courier Greyhound Delivery Other

COOLER INFORMATION

- Custody seal missing or not intact
- Temperature criteria not met
- Wet ice received in cooler

CHAIN OF CUSTODY

- Chain of Custody not received
- Sample D/T unclear or missing
- Analyses unclear or missing
- COC not properly executed

SAMPLE INFORMATION

- Sample containers received broken
- VOC vials have headspace
- Sample labels missing or illegible
- ID on COC does not match label(s)
- D/T on COC does not match label(s)
- Sample/Bottles recvd but no analysis on COC
- Sample listed on COC, but not received
- Bottles missing for requested analysis
- Insufficient volume for analysis
- Sample received improperly preserved

TRIP BLANK INFORMATION

- Trip Blank on COC but not received
- Trip Blank received but not on COC
- Trip Blank not intact
- Received Water Trip Blank
- Received Soil TB

Number of Encores? _____
 Number of 5035 kits? _____
 Number of lab-filtered metals? _____

Summary of Discrepancies:

BH05 24-25 - 1 bottle received labeled for (PAH and metals analyses), BTEX/GRO and DRO analyses listed on COC. (BH05 29-30 - 2 bottles received labeled for (BTEX/GRO and DRO analyses), Table 910-1 PAH and metals analyses listed on COC. Sample ID Under Building received, not listed on COC, 2 bottles labeled BTEX/GRO and DRO analyses, 2/16/11 sample date @ Time 1500.

TECHNICIAN SIGNATURE/DATE: Daniel Hudobert 2/19/11

INFORMATION AND SAMPLE LABELING VERIFIED BY: _____

♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ **CORRECTIVE ACTIONS** ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦

Client Representative Notified: Mark Mumby
 By Accutest Representative: Sylvia O'Neil
 Client Instructions: Follow labels

Date: 2-21-11
 Via: Phone Email

BH05 24-25 should be PAH & metals / BH05 29-30 should be BTEX/GRO/DRO

l:\mwalker\forms\samplemanagement SM023 Revised 6/11/10

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SAMPLE RECEIPT LOG

pg. 1 of 2

JOB #: T69436 DATE/TIME RECEIVED: 2/19/11 1000
 CLIENT: HRL Compliance Solutions INITIALS: DRH

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH
1	1	BH01 9-10	2-16-11 0930	soil	4oz	1	VR	0 2 3 4 5 6 7 8	<2 >12
	1	↓ ↓	↓			2	2-2	0 2 3 4 5 6 7 8	<2 >12
	2	BH01 19-20	0945			1	VR	0 2 3 4 5 6 7 8	<2 >12
	2	↓ ↓	↓			2	2-2	0 2 3 4 5 6 7 8	<2 >12
	3	BH02 9-10	1040			1	VR	0 2 3 4 5 6 7 8	<2 >12
	3	↓ ↓	↓			2	2-2	0 2 3 4 5 6 7 8	<2 >12
	4	BH02 19-20	1050			1	VR	0 2 3 4 5 6 7 8	<2 >12
	4	↓ ↓	↓			2	2-2	0 2 3 4 5 6 7 8	<2 >12
	5	BH03 9-10	1120			1	VR	0 2 3 4 5 6 7 8	<2 >12
	5	↓ ↓	↓			2	2-2	0 2 3 4 5 6 7 8	<2 >12
	6	BH03 19-20	1135			1	VR	0 2 3 4 5 6 7 8	<2 >12
	6	↓ ↓	↓			2	2-2	0 2 3 4 5 6 7 8	<2 >12
	7	BH04 4-5	1145			1	VR	0 2 3 4 5 6 7 8	<2 >12
	7	↓ ↓	↓			2	2-2	0 2 3 4 5 6 7 8	<2 >12
	8	BH05 9-10	1210			1	VR	0 2 3 4 5 6 7 8	<2 >12
	8	↓ ↓	↓			2	2-2	0 2 3 4 5 6 7 8	<2 >12
	9	BH05 19-20	1220			1	VR	0 2 3 4 5 6 7 8	<2 >12
	9	↓ ↓	↓			2	2-2	0 2 3 4 5 6 7 8	<2 >12
	10	BH05 24-25	1225		8oz	1	VR	0 2 3 4 5 6 7 8	<2 >12
	11	BH05 29-30	1235		4oz	1	VR	0 2 3 4 5 6 7 8	<2 >12
↓	11	↓ ↓	↓ ↓	↓	↓	2	2-2	0 2 3 4 5 6 7 8	<2 >12

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NaOH 6: DI 7: MeOH 8: Other

LOCATION: 1: Walk-In #1 (Waters) 2: Walk-In #2 (Soils) VR: Volatile Fridge M: Metals SUB: Subcontract EF: Encore Freezer

End of pg. 1 DRH 2/19/11

Rev 8/12/04 num

T69436: Chain of Custody

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SAMPLE RECEIPT LOG

pg. 2 of 2

JOB #: T69436 DATE/TIME RECEIVED: 2/19/11 1000
 CLIENT: HRL Compliance Solutions INITIALS: ORA

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH
	12	BH05 39-40	2-16-11 1250	soil	4oz	1	VR	0 5 2 3 4 6 7 8	<2 >12
	12	↓ ↓	↓			2	2-2	0 5 2 3 4 6 7 8	<2 >12
	13	BH05 49-50	1310			1	VR	0 5 2 3 4 6 7 8	<2 >12
	13	↓ ↓	↓			2	2-2	0 5 2 3 4 6 7 8	<2 >12
	14	BH06 9-10	1350			1	VR	0 5 2 3 4 6 7 8	<2 >12
	14	↓ ↓	↓			2	2-2	0 5 2 3 4 6 7 8	<2 >12
	15	BH06 19-20	1400			1	VR	0 5 2 3 4 6 7 8	<2 >12
	15	↓ ↓	↓			2	2-2	0 5 2 3 4 6 7 8	<2 >12
	16	BH07 14-15	1425			1	VR	0 5 2 3 4 6 7 8	<2 >12
	16	↓ ↓	↓			2	2-2	0 5 2 3 4 6 7 8	<2 >12
	17	BH07 19-20	1435			1	VR	0 5 2 3 4 6 7 8	<2 >12
	17	↓ ↓	↓			2	2-2	0 5 2 3 4 6 7 8	<2 >12
	18	BH08 9-10	1500			1	VR	0 5 2 3 4 6 7 8	<2 >12
	18	↓ ↓	↓			2	2-2	0 5 2 3 4 6 7 8	<2 >12
	19	BH08 19-20	1510			1	VR	0 5 2 3 4 6 7 8	<2 >12
	19	↓ ↓	↓			2	2-2	0 5 2 3 4 6 7 8	<2 >12
	20	BH09 14-15	1530			1	VR	0 5 2 3 4 6 7 8	<2 >12
	20	↓ ↓	↓			2	2-2	0 5 2 3 4 6 7 8	<2 >12
	21	Under Building	1500			1	VR	0 5 2 3 4 6 7 8	<2 >12
	21	↓ ↓	↓			2	2-2	0 5 2 3 4 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: DI 7: MeOH 8: Other
 LOCATION: 1: Walk-In #1 (Waters) 2: Walk-In #2 (Soils) VR: Volatile Fridge M: Metals SUB: Subcontract EF: Encore Freezer
 Rev R/13/01 awm

ORA 2/19/11

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T69436: Chain of Custody

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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1305-MB	M0031929.D	1	02/22/11	FI	n/a	n/a	VM1305

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-1, T69436-2, T69436-3, T69436-4, T69436-5, T69436-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.0	0.70	ug/kg	
100-41-4	Ethylbenzene	ND	4.0	0.90	ug/kg	
108-88-3	Toluene	ND	4.0	0.95	ug/kg	
1330-20-7	Xylene (total)	ND	12	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	95%	70-121%
2037-26-5	Toluene-D8	100%	76-132%
460-00-4	4-Bromofluorobenzene	100%	73-165%
17060-07-0	1,2-Dichloroethane-D4	90%	57-122%

Method Blank Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1307-MB	M0031988.D	1	02/23/11	FI	n/a	n/a	VM1307

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-7, T69436-8, T69436-9, T69436-11, T69436-12, T69436-13

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.0	0.70	ug/kg	
100-41-4	Ethylbenzene	ND	4.0	0.90	ug/kg	
108-88-3	Toluene	ND	4.0	0.95	ug/kg	
1330-20-7	Xylene (total)	ND	12	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	97% 70-121%
2037-26-5	Toluene-D8	103% 76-132%
460-00-4	4-Bromofluorobenzene	97% 73-165%
17060-07-0	1,2-Dichloroethane-D4	88% 57-122%

Method Blank Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1308-MB	M0032013.D	1	02/24/11	FI	n/a	n/a	VM1308

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-14, T69436-15, T69436-16, T69436-17, T69436-18, T69436-19, T69436-20, T69436-21

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.0	0.70	ug/kg	
100-41-4	Ethylbenzene	ND	4.0	0.90	ug/kg	
108-88-3	Toluene	ND	4.0	0.95	ug/kg	
1330-20-7	Xylene (total)	ND	12	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	101% 70-121%
2037-26-5	Toluene-D8	105% 76-132%
460-00-4	4-Bromofluorobenzene	96% 73-165%
17060-07-0	1,2-Dichloroethane-D4	95% 57-122%

Method Blank Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1309-MB	M0032031.D	1	02/24/11	FI	n/a	n/a	VM1309

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-16, T69436-19

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	4.0	0.70	ug/kg	
100-41-4	Ethylbenzene	ND	4.0	0.90	ug/kg	
1330-20-7	Xylene (total)	ND	12	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	102% 70-121%
2037-26-5	Toluene-D8	102% 76-132%
460-00-4	4-Bromofluorobenzene	97% 73-165%
17060-07-0	1,2-Dichloroethane-D4	93% 57-122%

Method Blank Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2774-MB	Y0046095.D	1	02/24/11	FI	n/a	n/a	VY2774

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-9

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	4.0	0.95	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	79%	70-121%
2037-26-5	Toluene-D8	85%	76-132%
460-00-4	4-Bromofluorobenzene	83%	73-165%
17060-07-0	1,2-Dichloroethane-D4	74%	57-122%

Method Blank Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2778-MB	Y0046197.D	1	02/26/11	FI	n/a	n/a	VY2778

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-12, T69436-15, T69436-17, T69436-18

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	ND	4.0	0.95	ug/kg	
1330-20-7	Xylene (total)	ND	12	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	109%	70-121%
2037-26-5	Toluene-D8	122%	76-132%
460-00-4	4-Bromofluorobenzene	109%	73-165%
17060-07-0	1,2-Dichloroethane-D4	97%	57-122%

Blank Spike Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1305-BS	M0031927.D	1	02/22/11	FI	n/a	n/a	VM1305

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-1, T69436-2, T69436-3, T69436-4, T69436-5, T69436-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	45.8	92	70-114
100-41-4	Ethylbenzene	50	45.5	91	60-119
108-88-3	Toluene	50	45.5	91	68-115
1330-20-7	Xylene (total)	150	139	93	61-115

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	70-121%
2037-26-5	Toluene-D8	101%	76-132%
460-00-4	4-Bromofluorobenzene	97%	73-165%
17060-07-0	1,2-Dichloroethane-D4	92%	57-122%

4.2.1
4

Blank Spike Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1307-BS	M0031986.D	1	02/23/11	FI	n/a	n/a	VM1307

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-7, T69436-8, T69436-9, T69436-11, T69436-12, T69436-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	52.5	105	70-114
100-41-4	Ethylbenzene	50	51.4	103	60-119
108-88-3	Toluene	50	52.4	105	68-115
1330-20-7	Xylene (total)	150	155	103	61-115

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	70-121%
2037-26-5	Toluene-D8	102%	76-132%
460-00-4	4-Bromofluorobenzene	93%	73-165%
17060-07-0	1,2-Dichloroethane-D4	91%	57-122%

4.2.2
4

Blank Spike Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1308-BS	M0032011.D	1	02/24/11	FI	n/a	n/a	VM1308

The QC reported here applies to the following samples: **Method:** SW846 8260B

T69436-14, T69436-15, T69436-16, T69436-17, T69436-18, T69436-19, T69436-20, T69436-21

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	49.1	98	70-114
100-41-4	Ethylbenzene	50	45.5	91	60-119
108-88-3	Toluene	50	46.3	93	68-115
1330-20-7	Xylene (total)	150	136	91	61-115

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	70-121%
2037-26-5	Toluene-D8	106%	76-132%
460-00-4	4-Bromofluorobenzene	95%	73-165%
17060-07-0	1,2-Dichloroethane-D4	96%	57-122%

4.2.3
4

Blank Spike Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1309-BS	M0032029.D	1	02/24/11	FI	n/a	n/a	VM1309

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-16, T69436-19

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	53.6	107	70-114
100-41-4	Ethylbenzene	50	52.1	104	60-119
1330-20-7	Xylene (total)	150	156	104	61-115

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	70-121%
2037-26-5	Toluene-D8	106%	76-132%
460-00-4	4-Bromofluorobenzene	97%	73-165%
17060-07-0	1,2-Dichloroethane-D4	96%	57-122%

4.2.4
4

Blank Spike Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2774-BS	Y0046093.D	1	02/24/11	FI	n/a	n/a	VY2774

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-88-3	Toluene	50	41.8	84	68-115

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	82%	70-121%
2037-26-5	Toluene-D8	85%	76-132%
460-00-4	4-Bromofluorobenzene	86%	73-165%
17060-07-0	1,2-Dichloroethane-D4	75%	57-122%

Blank Spike Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY2778-BS	Y0046195.D	1	02/26/11	FI	n/a	n/a	VY2778

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-12, T69436-15, T69436-17, T69436-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-88-3	Toluene	50	47.4	95	68-115
1330-20-7	Xylene (total)	150	145	97	61-115

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	112%	70-121%
2037-26-5	Toluene-D8	120%	76-132%
460-00-4	4-Bromofluorobenzene	108%	73-165%
17060-07-0	1,2-Dichloroethane-D4	97%	57-122%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T69402-6MS	M0031933.D	10	02/22/11	FI	n/a	n/a	VM1305
T69402-6MSD	M0031934.D	10	02/22/11	FI	n/a	n/a	VM1305
T69402-6	M0031931.D	10	02/22/11	FI	n/a	n/a	VM1305

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-1, T69436-2, T69436-3, T69436-4, T69436-5, T69436-6

CAS No.	Compound	T69402-6 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	37400	39400	69200	81	69700	82	1	70-114/38
100-41-4	Ethylbenzene	15400	39400	49900	88	47100	80	6	60-119/40
108-88-3	Toluene	115000	39400	147000	81	140000	63* a	5	68-115/38
1330-20-7	Xylene (total)	234000	118000	336000	86	321000	74	5	61-115/39

CAS No.	Surrogate Recoveries	MS	MSD	T69402-6	Limits
1868-53-7	Dibromofluoromethane	92%	93%	88%	70-121%
2037-26-5	Toluene-D8	128%	121%	127%	76-132%
460-00-4	4-Bromofluorobenzene	102%	102%	109%	73-165%
17060-07-0	1,2-Dichloroethane-D4	93%	92%	88%	57-122%

(a) Outside control limits due to high level in sample relative to spike amount.

4.3.1
4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T69569-1MS	M0031992.D 1		02/23/11	FI	n/a	n/a	VM1307
T69569-1MSD	M0031993.D 1		02/23/11	FI	n/a	n/a	VM1307
T69569-1 ^a	M0031989.D 1		02/23/11	FI	n/a	n/a	VM1307

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-7, T69436-8, T69436-9, T69436-11, T69436-12, T69436-13

CAS No.	Compound	T69569-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	59.3	57.5	97	51.7	95	11	70-114/38
100-41-4	Ethylbenzene	ND	59.3	55.9	94	51.4	95	8	60-119/40
108-88-3	Toluene	ND	59.3	57.9	98	53.5	99	8	68-115/38
1330-20-7	Xylene (total)	ND	178	169	95	155	95	9	61-115/39

CAS No.	Surrogate Recoveries	MS	MSD	T69569-1	Limits
1868-53-7	Dibromofluoromethane	98%	99%	96%	70-121%
2037-26-5	Toluene-D8	104%	107%	102%	76-132%
460-00-4	4-Bromofluorobenzene	94%	92%	97%	73-165%
17060-07-0	1,2-Dichloroethane-D4	90%	89%	90%	57-122%

(a) Sample reported for QC purposes only.

4.3.2
4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T69436-20MS	M0032015.D	1	02/24/11	FI	n/a	n/a	VM1308
T69436-20MSD	M0032016.D	1	02/24/11	FI	n/a	n/a	VM1308
T69436-20	M0032014.D	1	02/24/11	FI	n/a	n/a	VM1308

The QC reported here applies to the following samples: **Method:** SW846 8260B

T69436-14, T69436-15, T69436-16, T69436-17, T69436-18, T69436-19, T69436-20, T69436-21

CAS No.	Compound	T69436-20 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	4.8	48.5	53.2	100	51.6	98	3	70-114/38
100-41-4	Ethylbenzene	4.2	48.5	53.0	101	51.3	99	3	60-119/40
108-88-3	Toluene	33.1	48.5	88.6	114	85.2	109	4	68-115/38
1330-20-7	Xylene (total)	69.5	146	206	94	203	93	1	61-115/39

CAS No.	Surrogate Recoveries	MS	MSD	T69436-20	Limits
1868-53-7	Dibromofluoromethane	101%	101%	100%	70-121%
2037-26-5	Toluene-D8	113%	111%	113%	76-132%
460-00-4	4-Bromofluorobenzene	115%	116%	117%	73-165%
17060-07-0	1,2-Dichloroethane-D4	95%	95%	94%	57-122%

4.3.3
4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T69569-1MS	M0032035.D	1	02/24/11	FI	n/a	n/a	VM1309
T69569-1MSD	M0032036.D	1	02/24/11	FI	n/a	n/a	VM1309
T69569-1	M0032032.D	1	02/24/11	FI	n/a	n/a	VM1309

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-16, T69436-19

CAS No.	Compound	T69569-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.5	J	58.1	56.3	94	54.9	97	3	70-114/38
100-41-4	Ethylbenzene	ND		58.1	55.1	95	53.0	97	4	60-119/40
1330-20-7	Xylene (total)	4.0	J	174	166	93	162	96	2	61-115/39

CAS No.	Surrogate Recoveries	MS	MSD	T69569-1	Limits
1868-53-7	Dibromofluoromethane	99%	95%	100%	70-121%
2037-26-5	Toluene-D8	104%	105%	103%	76-132%
460-00-4	4-Bromofluorobenzene	97%	95%	97%	73-165%
17060-07-0	1,2-Dichloroethane-D4	95%	91%	92%	57-122%

4.3.4
4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T69693-2MS	Y0046100.D	1	02/24/11	FI	n/a	n/a	VY2774
T69693-2MSD	Y0046101.D	1	02/24/11	FI	n/a	n/a	VY2774
T69693-2	Y0046096.D	1	02/24/11	FI	n/a	n/a	VY2774

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-9

CAS No.	Compound	T69693-2 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-88-3	Toluene	199	E	51.3	91.9	-209* a	73.5	-257* a	22	68-115/38

CAS No.	Surrogate Recoveries	MS	MSD	T69693-2	Limits
1868-53-7	Dibromofluoromethane	80%	79%	78%	70-121%
2037-26-5	Toluene-D8	89%	84%	88%	76-132%
460-00-4	4-Bromofluorobenzene	85%	83%	84%	73-165%
17060-07-0	1,2-Dichloroethane-D4	72%	72%	72%	57-122%

(a) Outside control limits due to high level in sample relative to spike amount.

4.3.5
4

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T69580-1MS	Y0046204.D	1	02/26/11	FI	n/a	n/a	VY2778
T69580-1MSD	Y0046205.D	1	02/26/11	FI	n/a	n/a	VY2778
T69580-1	Y0046203.D	1	02/26/11	FI	n/a	n/a	VY2778

The QC reported here applies to the following samples:

Method: SW846 8260B

T69436-12, T69436-15, T69436-17, T69436-18

CAS No.	Compound	T69580-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-88-3	Toluene	4.4 U	57.5	54.5	95	49.1	94	10	68-115/38
1330-20-7	Xylene (total)	13 U	172	156	90	142	90	9	61-115/39

CAS No.	Surrogate Recoveries	MS	MSD	T69580-1	Limits
1868-53-7	Dibromofluoromethane	108%	107%	109%	70-121%
2037-26-5	Toluene-D8	121%	120%	121%	76-132%
460-00-4	4-Bromofluorobenzene	107%	105%	108%	73-165%
17060-07-0	1,2-Dichloroethane-D4	95%	91%	94%	57-122%

4.3.6
4

GC/MS Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17546-MB	J157848.D	1	02/22/11	SC	02/22/11	OP17546	EJ1073

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

T69436-10

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	6.7	1.1	ug/kg	
208-96-8	Acenaphthylene	ND	6.7	2.3	ug/kg	
120-12-7	Anthracene	ND	6.7	1.3	ug/kg	
56-55-3	Benzo(a)anthracene	ND	6.7	1.1	ug/kg	
50-32-8	Benzo(a)pyrene	ND	6.7	3.6	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	6.7	3.5	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	6.7	6.7	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	6.7	4.3	ug/kg	
218-01-9	Chrysene	ND	6.7	1.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	6.7	6.4	ug/kg	
206-44-0	Fluoranthene	ND	6.7	1.5	ug/kg	
86-73-7	Fluorene	ND	6.7	2.4	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	6.7	5.0	ug/kg	
90-12-0	1-Methylnaphthalene	ND	6.7	1.2	ug/kg	
91-57-6	2-Methylnaphthalene	ND	6.7	1.2	ug/kg	
91-20-3	Naphthalene	ND	6.7	1.0	ug/kg	
85-01-8	Phenanthrene	ND	6.7	0.93	ug/kg	
129-00-0	Pyrene	ND	6.7	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
4165-60-0	Nitrobenzene-d5	103%	10-127%
321-60-8	2-Fluorobiphenyl	66%	11-133%
1718-51-0	Terphenyl-d14	92%	15-187%

Blank Spike Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17546-BS	V3745.D	1	02/22/11	AM	02/22/11	OP17546	EV219

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

T69436-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	167	124	74	18-118
208-96-8	Acenaphthylene	167	141	85	35-125
120-12-7	Anthracene	167	134	80	24-116
56-55-3	Benzo(a)anthracene	167	147	88	32-132
50-32-8	Benzo(a)pyrene	167	136	82	36-130
205-99-2	Benzo(b)fluoranthene	167	159	95	35-134
191-24-2	Benzo(g,h,i)perylene	167	150	90	18-149
207-08-9	Benzo(k)fluoranthene	167	139	83	30-131
218-01-9	Chrysene	167	142	85	37-124
53-70-3	Dibenzo(a,h)anthracene	167	156	94	23-150
206-44-0	Fluoranthene	167	115	69	28-118
86-73-7	Fluorene	167	142	85	32-106
193-39-5	Indeno(1,2,3-cd)pyrene	167	154	92	18-150
90-12-0	1-Methylnaphthalene	167	133	80	10-128
91-57-6	2-Methylnaphthalene	167	146	88	28-113
91-20-3	Naphthalene	167	145	87	31-106
85-01-8	Phenanthrene	167	128	77	37-112
129-00-0	Pyrene	167	175	105	24-132

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	83%	10-127%
321-60-8	2-Fluorobiphenyl	78%	11-133%
1718-51-0	Terphenyl-d14	90%	15-187%

5.2.1
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17546-MS	J157859.D	1	02/22/11	SC	02/22/11	OP17546	EJ1073
OP17546-MSD	J157860.D	1	02/22/11	SC	02/22/11	OP17546	EJ1073
T69260-2R	J157858.D	1	02/22/11	SC	02/22/11	OP17546	EJ1073

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

T69436-10

CAS No.	Compound	T69260-2R ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	3.5	J	228	142	61	131	56	8	10-153/80
208-96-8	Acenaphthylene	9.2 U		228	100	44	106	46	6	10-144/71
120-12-7	Anthracene	6.0	J	228	179	76	166	70	8	10-176/57
56-55-3	Benzo(a)anthracene	6.1	J	228	188	80	180	76	4	10-174/73
50-32-8	Benzo(a)pyrene	9.2 U		228	171	75	165	72	4	10-182/74
205-99-2	Benzo(b)fluoranthene	9.2 U		228	223	98	232	102	4	10-188/86
191-24-2	Benzo(g,h,i)perylene	9.2 U		228	147	64	128	56	14	10-150/62
207-08-9	Benzo(k)fluoranthene	9.2 U		228	209	92	199	87	5	10-170/94
218-01-9	Chrysene	5.9	J	228	192	81	183	78	5	10-165/73
53-70-3	Dibenzo(a,h)anthracene	9.2 U		228	156	68	136	60	14	10-192/74
206-44-0	Fluoranthene	12.9		228	222	92	224	92	1	10-141/73
86-73-7	Fluorene	6.4	J	228	126	52	126	52	0	10-164/72
193-39-5	Indeno(1,2,3-cd)pyrene	9.2 U		228	156	68	137	60	13	10-150/73
90-12-0	1-Methylnaphthalene	161		228	382	97	390	100	2	10-154/82
91-57-6	2-Methylnaphthalene	314		228	431	51	359	20	18	10-171/75
91-20-3	Naphthalene	230		228	517	126	455	98	13	10-138/82
85-01-8	Phenanthrene	17.1		228	180	71	170	67	6	10-191/77
129-00-0	Pyrene	15.6		228	158	62	140	54	12	10-150/66

CAS No.	Surrogate Recoveries	MS	MSD	T69260-2R	Limits
4165-60-0	Nitrobenzene-d5	93%	85%	74%	10-127%
321-60-8	2-Fluorobiphenyl	40%	36%	46%	11-133%
1718-51-0	Terphenyl-d14	70%	59%	85%	15-187%

5.3.1
 5

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH145-MB	HH0002711.D		02/23/11	AT	n/a	n/a	GHH145

The QC reported here applies to the following samples: **Method:** SW846 8015

T69436-1, T69436-2, T69436-3, T69436-4, T69436-5, T69436-6, T69436-7, T69436-21

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	0.30	mg/kg	

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	82%	46-127%
98-08-8	aaa-Trifluorotoluene	91%	44-120%

Method Blank Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH146-MB	HH0002747.D		02/24/11	AT	n/a	n/a	GHH146

The QC reported here applies to the following samples: **Method:** SW846 8015

T69436-8, T69436-9, T69436-11, T69436-12, T69436-13, T69436-14, T69436-15, T69436-16, T69436-17, T69436-18, T69436-19, T69436-20

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	0.30	mg/kg	

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	86%	46-127%
98-08-8	aaa-Trifluorotoluene	86%	44-120%

Blank Spike Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH145-BS	HH0002708.D		02/23/11	AT	n/a	n/a	GHH145

The QC reported here applies to the following samples: **Method:** SW846 8015

T69436-1, T69436-2, T69436-3, T69436-4, T69436-5, T69436-6, T69436-7, T69436-21

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.368	92	78-115

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	83%	46-127%
98-08-8	aaa-Trifluorotoluene	93%	44-120%

Blank Spike Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GHH146-BS	HH0002744.D		02/24/11	AT	n/a	n/a	GHH146

The QC reported here applies to the following samples: **Method:** SW846 8015

T69436-8, T69436-9, T69436-11, T69436-12, T69436-13, T69436-14, T69436-15, T69436-16, T69436-17, T69436-18, T69436-19, T69436-20

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	0.4	0.388	97	78-115

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	85%	46-127%
98-08-8	aaa-Trifluorotoluene	95%	44-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T69436-2MS	HH0002713.D		02/23/11	AT	n/a	n/a	GHH145
T69436-2MSD	HH0002714.D		02/23/11	AT	n/a	n/a	GHH145
T69436-2	HH0002712.D		02/23/11	AT	n/a	n/a	GHH145

The QC reported here applies to the following samples:

Method: SW846 8015

T69436-1, T69436-2, T69436-3, T69436-4, T69436-5, T69436-6, T69436-7, T69436-21

CAS No.	Compound	T69436-2 mg/kg	Spike Q	mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	2.91	J	20.4	19.4	81	18.7	77*	4	78-115/14

CAS No.	Surrogate Recoveries	MS	MSD	T69436-2	Limits
460-00-4	4-Bromofluorobenzene	83%	85%	80%	46-127%
98-08-8	aaa-Trifluorotoluene	91%	95%	85%	44-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T69436-19MS	HH0002763.D0		02/24/11	AT	n/a	n/a	GHH146
T69436-19MSD	HH0002764.D0		02/24/11	AT	n/a	n/a	GHH146
T69436-19	HH0002753.D0		02/24/11	AT	n/a	n/a	GHH146

The QC reported here applies to the following samples: Method: SW846 8015

T69436-8, T69436-9, T69436-11, T69436-12, T69436-13, T69436-14, T69436-15, T69436-16, T69436-17, T69436-18, T69436-19, T69436-20

CAS No.	Compound	T69436-19 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	645	422	1000	84	979	79	2	78-115/14

CAS No.	Surrogate Recoveries	MS	MSD	T69436-19	Limits
460-00-4	4-Bromofluorobenzene	161%* a	156%* a	150%* a	46-127%
98-08-8	aaa-Trifluorotoluene	100%	100%	96%	44-120%

(a) Outside control limits due to matrix interference. Confirmed by MS/MSD.

6.3.2
6

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17532-MB	JJ10668.D	1	02/22/11	HD	02/21/11	OP17532	GJB136

The QC reported here applies to the following samples:

Method: SW846 8015 M

T69436-1, T69436-2, T69436-3, T69436-4, T69436-5, T69436-6, T69436-7, T69436-8, T69436-9, T69436-11, T69436-12, T69436-13, T69436-14, T69436-15, T69436-16, T69436-17, T69436-18

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	3.3	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	97% 33-115%

Method Blank Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17563-MB	JJ10744.D	1	02/24/11	HD	02/23/11	OP17563	GJB138

The QC reported here applies to the following samples:

Method: SW846 8015 M

T69436-19, T69436-20, T69436-21

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	3.3	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	81% 33-115%

Blank Spike Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17532-BS	JJ10669.D	1	02/22/11	HD	02/21/11	OP17532	GJF136

The QC reported here applies to the following samples:

Method: SW846 8015 M

T69436-1, T69436-2, T69436-3, T69436-4, T69436-5, T69436-6, T69436-7, T69436-8, T69436-9, T69436-11, T69436-12, T69436-13, T69436-14, T69436-15, T69436-16, T69436-17, T69436-18

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C28)	33.2	27.0	81	45-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	87%	33-115%

7.2.1

7

Blank Spike Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17563-BS	JJ10800.D	1	02/25/11	HD	02/23/11	OP17563	GJB140

The QC reported here applies to the following samples:

Method: SW846 8015 M

T69436-19, T69436-20, T69436-21

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C28)	33.2	20.2	61	45-107

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	73%	33-115%

7.2.2

7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17532-MS	JJ10670.D	1	02/22/11	HD	02/21/11	OP17532	GJB136
OP17532-MSD	JJ10671.D	1	02/22/11	HD	02/21/11	OP17532	GJF136
T69432-1	JJ10672.D	1	02/22/11	HD	02/21/11	OP17532	GJB136

The QC reported here applies to the following samples: Method: SW846 8015 M

T69436-1, T69436-2, T69436-3, T69436-4, T69436-5, T69436-6, T69436-7, T69436-8, T69436-9, T69436-11, T69436-12, T69436-13, T69436-14, T69436-15, T69436-16, T69436-17, T69436-18

CAS No.	Compound	T69432-1 mg/kg	Spike Q	mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	68.6	40.4	106	93	78.6	25*	30	45-107/34	

CAS No.	Surrogate Recoveries	MS	MSD	T69432-1	Limits
84-15-1	o-Terphenyl	96%	91%	93%	33-115%

7.3.1
7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: T69436
Account: HRLCOGJ HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP17563-MS	JJ10746.D	1	02/24/11	HD	02/23/11	OP17563	GJB138
OP17563-MSD	JJ10801.D	1	02/25/11	HD	02/23/11	OP17563	GJF140
T69694-7	JJ10754.D	1	02/24/11	HD	02/23/11	OP17563	GJB138

The QC reported here applies to the following samples:

Method: SW846 8015 M

T69436-19, T69436-20, T69436-21

CAS No.	Compound	T69694-7 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	ND	36.7	24.8	68	31.3	86	23	45-107/34

CAS No.	Surrogate Recoveries	MS	MSD	T69694-7	Limits
84-15-1	o-Terphenyl	75%	86%	118%* a	33-115%

(a) Outside control limits biased high. Only ND results are reported.

7.3.2
7

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T69436
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

QC Batch ID: MP14037
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date: 02/22/11

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.017	.00083	.0067	-0.0022	<0.017

Associated samples MP14037: T69436-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.1.1

8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T69436
 Account: HRLCOGJ - HRL Compliance Solutions, Inc.
 Project: Bargath-Jangles Compressor Station Condensate Release

QC Batch ID: MP14037
 Matrix Type: SOLID

Methods: SW846 7471A
 Units: mg/kg

Prep Date: 02/22/11 02/22/11

Metal	T69324-4		QC	T69324-4		Spikelot	QC		
	Original	DUP	RPD	Limits	Original	MS	HGTXWS1	% Rec	Limits
Mercury	0.0	0.0	NC	0-20	0.0	0.27	0.276	97.8	75-125

Associated samples MP14037: T69436-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.1.2
 8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T69436
 Account: HRLCOGJ - HRL Compliance Solutions, Inc.
 Project: Bargath-Jangles Compressor Station Condensate Release

QC Batch ID: MP14037
 Matrix Type: SOLID

Methods: SW846 7471A
 Units: mg/kg

Prep Date: 02/22/11

Metal	T69324-4 Original MSD	SpikeLot HGTXWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.26	0.263	98.8	3.8

Associated samples MP14037: T69436-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.1.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T69436

Account: HRLCOGJ - HRL Compliance Solutions, Inc.

Project: Bargath-Jangles Compressor Station Condensate Release

QC Batch ID: MP14037

Methods: SW846 7471A

Matrix Type: SOLID

Units: mg/kg

Prep Date: 02/22/11

Metal	LCS Result	Spikelot HGLCD054 % Rec	QC Limits
Mercury	7.5	7.34	102.2 72-128

Associated samples MP14037: T69436-10

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

8.1.3

8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T69436
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

QC Batch ID: MP14040
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date: 02/22/11

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.41	.73		
Antimony	0.50	.05	.085		
Arsenic	0.50	.085	.085	-0.0030	<0.50
Barium	10	.049	.069	0.025	<10
Beryllium	0.25	.0028	.0055		
Boron	5.0	.07	.17		
Cadmium	0.25	.0055	.014	-0.0040	<0.25
Calcium	250	.37	1.3		
Chromium	0.50	.012	.023	0.018	<0.50
Cobalt	2.5	.0075	.03		
Copper	1.3	.056	.056	-0.0080	<1.3
Iron	5.0	.057	1.1		
Lead	0.50	.05	.05	0.0055	<0.50
Lithium	15	.1			
Magnesium	250	.38	1.3		
Manganese	0.75	.0027	.037		
Molybdenum	0.50	.02	.025		
Nickel	2.0	.035	.057	0.0080	<2.0
Potassium	250	2	10		
Selenium	0.50	.077	.14	-0.034	<0.50
Silver	0.50	.058	.058	0.0010	<0.50
Sodium	250	.46	1.6		
Strontium	1.0	.0031	.059		
Thallium	0.50	.034	.04		
Tin	1.0	.035	.035		
Titanium	1.0	.015	.029		
Vanadium	2.5	.015	.034		
Zinc	1.0	.026	.084	0.11	<1.0

Associated samples MP14040: T69436-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T69436
 Account: HRLCOGJ - HRL Compliance Solutions, Inc.
 Project: Bargath-Jangles Compressor Station Condensate Release

QC Batch ID: MP14040
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 02/22/11 02/22/11

Metal	T69441-1 Original	DUP	RPD	QC Limits	T69441-1 Original MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic	5.7	6.6	14.6	0-20	5.7	26.1	25.8	79.0N(a) 80-120
Barium	239	288	18.6	0-20	239	260	25.8	81.3 80-120
Beryllium								
Boron								
Cadmium	0.42	0.50	17.4	0-20	0.42	20.4	25.8	77.3N(a) 80-120
Calcium								
Chromium	17.6	17.8	1.1	0-20	17.6	38.7	25.8	81.7 80-120
Cobalt								
Copper	16.5	17.0	3.0	0-20	16.5	38.8	25.8	86.3 80-120
Iron								
Lead	24.5	25.4	3.6	0-20	24.5	50.2	25.8	99.5 80-120
Lithium								
Magnesium								
Manganese								
Molybdenum	anr							
Nickel	23.8	24.0	0.8	0-20	23.8	51.3	25.8	106.4 80-120
Potassium	anr							
Selenium	0.0	0.0	NC	0-20	0.0	19.4	25.8	75.1N(a) 80-120
Silver	0.0	0.0	NC	0-20	0.0	20.6	25.8	79.7N(a) 80-120
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium								
Zinc	63.2	62.2	1.6	0-20	63.2	87.0	25.8	92.1 80-120

Associated samples MP14040: T69436-10

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T69436
 Account: HRLCOGJ - HRL Compliance Solutions, Inc.
 Project: Bargath-Jangles Compressor Station Condensate Release

QC Batch ID: MP14040
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 02/22/11

Metal	T69441-1 Original MSD		SpikeLot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	5.7	26.1	26.1	78.2N(a)	0.0	20
Barium	239	230	26.1	-34.5(b)	12.2	20
Beryllium						
Boron						
Cadmium	0.42	20.5	26.1	77.0N(a)	0.5	20
Calcium						
Chromium	17.6	38.3	26.1	79.4N(a)	1.0	20
Cobalt						
Copper	16.5	38.0	26.1	82.4	2.1	20
Iron						
Lead	24.5	52.1	26.1	105.8	3.7	20
Lithium						
Magnesium						
Manganese						
Molybdenum	anr					
Nickel	23.8	51.7	26.1	107.0	0.8	20
Potassium	anr					
Selenium	0.0	19.5	26.1	74.8N(a)	0.5	20
Silver	0.0	20.7	26.1	79.4N(a)	0.5	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	63.2	85.1	26.1	84.0	2.2	20

Associated samples MP14040: T69436-10

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T69436
 Account: HRLCOGJ - HRL Compliance Solutions, Inc.
 Project: Bargath-Jangles Compressor Station Condensate Release

QC Batch ID: MP14040
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 02/22/11

Metal	LCS Result	Spikelot MPLCD054	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	140	158	88.6	82-118
Barium	341	348	98.0	81-119
Beryllium				
Boron				
Cadmium	168	187	89.8	82-118
Calcium				
Chromium	81.7	89.5	91.3	79-121
Cobalt				
Copper	125	129	96.9	84-117
Iron				
Lead	181	172	105.2	79-120
Lithium				
Magnesium				
Manganese				
Molybdenum	anr			
Nickel	106	99	107.1	81-119
Potassium	anr			
Selenium	135	148	91.2	78-121
Silver	59.7	66	90.5	66-134
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	354	394	89.8	80-119

Associated samples MP14040: T69436-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.2.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: T69436
 Account: HRLCOGJ - HRL Compliance Solutions, Inc.
 Project: Bargath-Jangles Compressor Station Condensate Release

QC Batch ID: MP14040
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: ug/l

Prep Date: 02/22/11

Metal	T69441-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	88.3	109	23.6*(a)	0-10
Barium	3680	4470	21.5*(a)	0-10
Beryllium				
Boron				
Cadmium	6.50	7.29	12.2*(a)	0-10
Calcium				
Chromium	271	335	23.7*(a)	0-10
Cobalt				
Copper	254	306	20.4*(a)	0-10
Iron				
Lead	378	387	2.3	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum	anr			
Nickel	366	349	4.7	0-10
Potassium	anr			
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	974	1200	23.6*(a)	0-10

Associated samples MP14040: T69436-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested
 (a) Serial dilution indicates possible matrix interference.

8.2.4
8

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T69436
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GN29047	2.0	<2.0	mg/kg	40	39.0	97.4	80-120%

Associated Samples:
Batch GN29047: T69436-10
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T69436
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GN29047	T69407-2	mg/kg	7.0	7.3	3.3	0-20%
Solids, Percent	GN28969	T69414-2	%	32	32	0.0	0-5%
Solids, Percent	GN28971	T69364-1	%	73.8	73.5	0.4	0-5%
Solids, Percent	GN29040	T69389-7	%	90.3	90.1	0.2	0-5%

Associated Samples:

Batch GN28969: T69436-1, T69436-11, T69436-12, T69436-13, T69436-2, T69436-3, T69436-4, T69436-5, T69436-6, T69436-7, T69436-8, T69436-9

Batch GN28971: T69436-14, T69436-15, T69436-16, T69436-17, T69436-18, T69436-19, T69436-20, T69436-21

Batch GN29040: T69436-10

Batch GN29047: T69436-10

(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T69436
Account: HRLCOGJ - HRL Compliance Solutions, Inc.
Project: Bargath-Jangles Compressor Station Condensate Release

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GN29047	T69407-2	mg/kg	7.0	48	52.1	93.9	75-125%

Associated Samples:

Batch GN29047: T69436-10

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

Technical Report for

HRL Compliance Solutions

Bargath-Jangles Compressor Station Condensate Release

Accutest Job Number: D22058

Sampling Date: 03/23/11

Report to:

HRL Compliance Solutions
744 Horizon Court Suite 140
Grand Junction, CO 81506
mmumby@hrlcomp.com

ATTN: Mark Mumby

Total number of pages in report: **28**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

John Hamilton
Laboratory Director

Client Service contact: Amanda Kissell 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW) UT (NELAP CO00049)

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Test results relate only to samples analyzed.

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Sample Summary

HRL Compliance Solutions

Job No: D22058

Bargath-Jangles Compressor Station Condensate Release

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
D22058-1	03/23/11	09:30	RW	03/24/11	SO Soil	BH11 30'
D22058-2	03/23/11	10:00	RW	03/24/11	SO Soil	BH11 40'
D22058-3	03/23/11	10:30	RW	03/24/11	SO Soil	BH11 50' -54'
D22058-4	03/23/11	09:00	RW	03/24/11	SO Soil	BH11 20'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: HRL Compliance Solutions

Job No D22058

Site: Bargath-Jangles Compressor Station Condensate Release

Report Dat 3/29/2011 3:28:12 PM

On 03/24/2011, 4 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 4.8 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D22058 was assigned to the project. The lab sample IDs, client sample IDs, and dates of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix SO

Batch ID: V3V546

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D22039-3MS, D22039-3MSD were used as the QC samples indicated.

Volatiles by GC By Method SW846 8015B

Matrix SO

Batch ID: GGB548

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D22001-1MS, D22001-1MSD were used as the QC samples indicated.

Matrix SO

Batch ID: GGB551

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) D22058-4MS, D22058-4MSD were used as the QC samples indicated.

Wet Chemistry By Method SM19 2540B M

Matrix SO

Batch ID: GN8842

- The data for SM19 2540B M meets quality control requirements.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Sample Results

Report of Analysis

Report of Analysis

3.1
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Client Sample ID: BH11 30'		Date Sampled: 03/23/11
Lab Sample ID: D22058-1		Date Received: 03/24/11
Matrix: SO - Soil		Percent Solids: 84.8
Method: SW846 8015B		
Project: Bargath-Jangles Compressor Station Condensate Release		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB0121.D	1	03/25/11	BR	n/a	n/a	GGB551
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	2.5 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2750	540	270	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	92%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: BH11 40'		Date Sampled: 03/23/11
Lab Sample ID: D22058-2		Date Received: 03/24/11
Matrix: SO - Soil		Percent Solids: 83.5
Method: SW846 8260B		
Project: Bargath-Jangles Compressor Station Condensate Release		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V09835.D	1	03/26/11	DC	n/a	n/a	V3V546
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.05 g	5.0 ml	25.0 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	5000	280	83	ug/kg	
108-88-3	Toluene	51800	550	280	ug/kg	
100-41-4	Ethylbenzene	5090	550	110	ug/kg	
1330-20-7	Xylene (total)	69100	550	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	95%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%
17060-07-0	1,2-Dichloroethane-D4	79%		70-130%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: BH11 40'	Date Sampled: 03/23/11
Lab Sample ID: D22058-2	Date Received: 03/24/11
Matrix: SO - Soil	Percent Solids: 83.5
Method: SW846 8015B	
Project: Bargath-Jangles Compressor Station Condensate Release	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB0085.D	1	03/24/11	BR	n/a	n/a	GGB548
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	612	14	6.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	91%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH11 50' -54'	Date Sampled:	03/23/11
Lab Sample ID:	D22058-3	Date Received:	03/24/11
Matrix:	SO - Soil	Percent Solids:	85.3
Method:	SW846 8260B	Project: Bargath-Jangles Compressor Station Condensate Release	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V09836.D	1	03/26/11	DC	n/a	n/a	V3V546
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.04 g	5.0 ml	10.0 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	11500	670	200	ug/kg	
108-88-3	Toluene	132000	1300	670	ug/kg	
100-41-4	Ethylbenzene	13600	1300	270	ug/kg	
1330-20-7	Xylene (total)	180000	1300	470	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	84%		70-130%
17060-07-0	1,2-Dichloroethane-D4	80%		70-130%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH11 50' -54'	
Lab Sample ID: D22058-3	Date Sampled: 03/23/11
Matrix: SO - Soil	Date Received: 03/24/11
Method: SW846 8015B	Percent Solids: 85.3
Project: Bargath-Jangles Compressor Station Condensate Release	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB0120.D	1	03/25/11	BR	n/a	n/a	GGB551
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	5.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2750	270	130	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	92%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BH11 20'	Date Sampled: 03/23/11
Lab Sample ID: D22058-4	Date Received: 03/24/11
Matrix: SO - Soil	Percent Solids: 87.1
Method: SW846 8260B	
Project: Bargath-Jangles Compressor Station Condensate Release	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V09837.D	1	03/26/11	DC	n/a	n/a	V3V546
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.08 g	5.0 ml	10.0 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	6790	640	190	ug/kg	
108-88-3	Toluene	98100	1300	640	ug/kg	
100-41-4	Ethylbenzene	11300	1300	260	ug/kg	
1330-20-7	Xylene (total)	156000	1300	450	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	84%		70-130%
17060-07-0	1,2-Dichloroethane-D4	79%		70-130%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

3.4
3

Client Sample ID: BH11 20'	Date Sampled: 03/23/11
Lab Sample ID: D22058-4	Date Received: 03/24/11
Matrix: SO - Soil	Percent Solids: 87.1
Method: SW846 8015B	
Project: Bargath-Jangles Compressor Station Condensate Release	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GB0117.D	1	03/25/11	BR	n/a	n/a	GGB551
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1910	130	64	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	88%		60-140%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

10165 Harwin Dr, Ste 150 Houston, TX 77036
TEL: 713-271-4700 FAX: 713-271-4770
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # D22058

Client / Reporting Information		Project Information										Requested Analyses										Matrix Codes							
Company Name HR compliance		Project Name Bergath-Jangles Compressor Station condensate Release										<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> BTEX/GRO </div>										DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank							
Street Address 747 Hedden Ct Suite 140		Street Bergath LLC		Billing Information (if different from Report to)																			LAB USE ONLY						
City, State, Zip Grand Jct. CO 81606		City, State		Company Name Bergath LLC																									
Project Contact Mark Mumbly Mumbly@HR.com		Project #		Street Address 4289 CO Rd 215																									
Phone # 970 243-3271		Client Purchase Order #		City, State, Zip Paoli CO 81636		Attention: John Seiber																							
Sample(s) Name(s) Red Wtd		Project Manager		Collection																									
Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	HCl	NaOH	ZnNO3	HNO3	H2SO4	NO3-	DI Water	MEDVI	NaHSO4	ENCODE	OTHER												
	BH11 30'	3/23/11	9:30	RLW	So	1													01										
	BH11 40'		10:00																02										
	BH11 50'-54'		10:30																03										
	BH11 20'		9:00																04										
Turnaround Time (Business days)		Data Deliverable Information										Comments / Special Instructions																	
<input type="checkbox"/> Standard <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 4 Day RUSH <input checked="" type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day EMERGENCY <small>Emergency & Rush TIA data available VIA Lablink</small>		Approved By (Accutest PM): _____ _____ _____ _____										<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> TRRP <input checked="" type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> EDD Format <input type="checkbox"/> FULT1 (Level 3+4) <input type="checkbox"/> Other _____ <input type="checkbox"/> REDT1 (Level 3+4) <input type="checkbox"/> Commercial "C" <small>Commercial "A" = Results Only Commercial "B" = Results + QC Summary Commercial "C" = Results + QC & Surrogate Summary</small>																	
Sample Custody must be documented below each time samples change possession, including courier delivery.																													
Relinquished by: 1 Red Wtd	Date Time: 3/23/11	Received By: Richard Williams	Date Time: 3/23/11	Relinquished By:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:										
3		5		4		4		4		4		4		4		4		4											
Custody Seal #										<input type="checkbox"/> Intact Preserved where applicable On Ice <input checked="" type="checkbox"/> Cooler Temp. 4.8 <input type="checkbox"/> Not Intact <input type="checkbox"/>																			

4.1
4

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: D22058
Account: HRLCCOGJ HRL Compliance Solutions
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V546-MB1	3V09822.D	1	03/26/11	DC	n/a	n/a	V3V546

The QC reported here applies to the following samples:

Method: SW846 8260B

D22058-1, D22058-2, D22058-3, D22058-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	15	ug/kg	
100-41-4	Ethylbenzene	ND	100	20	ug/kg	
108-88-3	Toluene	ND	100	50	ug/kg	
1330-20-7	Xylene (total)	ND	100	35	ug/kg	

CAS No.	Surrogate Recoveries	Limits
2037-26-5	Toluene-D8	84% 70-130%
460-00-4	4-Bromofluorobenzene	80% 70-130%
17060-07-0	1,2-Dichloroethane-D4	83% 70-130%

Blank Spike Summary

Job Number: D22058
Account: HRLCCOGJ HRL Compliance Solutions
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V546-BS1	3V09823.D	1	03/26/11	DC	n/a	n/a	V3V546

The QC reported here applies to the following samples:

Method: SW846 8260B

D22058-1, D22058-2, D22058-3, D22058-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	50.2	100	68-130
100-41-4	Ethylbenzene	50	53.7	107	70-130
108-88-3	Toluene	50	50.8	102	70-130
1330-20-7	Xylene (total)	100	96.7	97	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	84%	70-130%
460-00-4	4-Bromofluorobenzene	82%	70-130%
17060-07-0	1,2-Dichloroethane-D4	82%	70-130%

Blank Spike Summary

Job Number: D22058
Account: HRLCCOGJ HRL Compliance Solutions
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3V546-BS1	3V09824.D	1	03/26/11	DC	n/a	n/a	V3V546

The QC reported here applies to the following samples:

Method: SW846 8260B

D22058-1, D22058-2, D22058-3, D22058-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
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CAS No.	Surrogate Recoveries	BSP	Limits
2037-26-5	Toluene-D8	85%	70-130%
460-00-4	4-Bromofluorobenzene	78%	70-130%
17060-07-0	1,2-Dichloroethane-D4	78%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D22058
Account: HRLCCOGJ HRL Compliance Solutions
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D22039-3MS	3V09826.D	1	03/26/11	DC	n/a	n/a	V3V546
D22039-3MSD	3V09827.D	1	03/26/11	DC	n/a	n/a	V3V546
D22039-3	3V09825.D	1	03/26/11	DC	n/a	n/a	V3V546

The QC reported here applies to the following samples:

Method: SW846 8260B

D22058-1, D22058-2, D22058-3, D22058-4

CAS No.	Compound	D22039-3 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	3750	3970	106	4040	108	2	55-140/30
100-41-4	Ethylbenzene	ND	3750	4150	111	4210	112	1	56-139/30
108-88-3	Toluene	89.9	J 3750	3930	103	3890	101	1	57-144/30
1330-20-7	Xylene (total)	126	J 7490	7730	102	7770	102	1	51-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D22039-3	Limits
2037-26-5	Toluene-D8	80%	80%	82%	70-130%
460-00-4	4-Bromofluorobenzene	84%	84%	83%	70-130%
17060-07-0	1,2-Dichloroethane-D4	81%	79%	80%	70-130%

5.3.1
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D22058
Account: HRLCCOGJ HRL Compliance Solutions
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D22039-3MS	3V09828.D	1	03/26/11	DC	n/a	n/a	V3V546
D22039-3MSD	3V09829.D	1	03/26/11	DC	n/a	n/a	V3V546
D22039-3	3V09825.D	1	03/26/11	DC	n/a	n/a	V3V546

The QC reported here applies to the following samples:

Method: SW846 8260B

D22058-1, D22058-2, D22058-3, D22058-4

CAS No.	Compound	D22039-3 ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
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CAS No.	Surrogate Recoveries	MS	MSD	D22039-3	Limits
2037-26-5	Toluene-D8	84%	82%	82%	70-130%
460-00-4	4-Bromofluorobenzene	86%	85%	83%	70-130%
17060-07-0	1,2-Dichloroethane-D4	77%	80%	80%	70-130%

5.3.2
5

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: D22058
Account: HRLCCOGJ HRL Compliance Solutions
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB548-MB	GB0077.D	1	03/24/11	BR	n/a	n/a	GGB548

The QC reported here applies to the following samples:

Method: SW846 8015B

D22058-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	93% 60-140%

Method Blank Summary

Job Number: D22058
Account: HRLCCOGJ HRL Compliance Solutions
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB551-MB	GB0115.D	1	03/25/11	BR	n/a	n/a	GGB551

The QC reported here applies to the following samples:

Method: SW846 8015B

D22058-1, D22058-3, D22058-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	10	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	98% 60-140%

Blank Spike Summary

Job Number: D22058
Account: HRLCCOGJ HRL Compliance Solutions
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB548-BS	GB0078.D	1	03/24/11	BR	n/a	n/a	GGB548

The QC reported here applies to the following samples:

Method: SW846 8015B

D22058-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	107	97	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	103%	60-140%

Blank Spike Summary

Job Number: D22058
Account: HRLCCOGJ HRL Compliance Solutions
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGB551-BS	GB0116.D	1	03/25/11	BR	n/a	n/a	GGB551

The QC reported here applies to the following samples:

Method: SW846 8015B

D22058-1, D22058-3, D22058-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	110	101	92	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	102%	60-140%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D22058
Account: HRLCCOGJ HRL Compliance Solutions
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D22001-1MS	GB0080.D	1	03/24/11	BR	n/a	n/a	GGB548
D22001-1MSD	GB0081.D	1	03/24/11	BR	n/a	n/a	GGB548
D22001-1	GB0079.D	1	03/24/11	BR	n/a	n/a	GGB548

The QC reported here applies to the following samples:

Method: SW846 8015B

D22058-2

CAS No.	Compound	D22001-1 mg/kg	Spike Q	mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	111	106	95	105	94	1	62-130/30	

CAS No.	Surrogate Recoveries	MS	MSD	D22001-1	Limits
120-82-1	1,2,4-Trichlorobenzene	102%	106%	97%	60-140%

6.3.1

6

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D22058
Account: HRLCCOGJ HRL Compliance Solutions
Project: Bargath-Jangles Compressor Station Condensate Release

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D22058-4MS	GB0118.D	1	03/25/11	BR	n/a	n/a	GGB551
D22058-4MSD	GB0119.D	1	03/25/11	BR	n/a	n/a	GGB551
D22058-4	GB0117.D	1	03/25/11	BR	n/a	n/a	GGB551

The QC reported here applies to the following samples:

Method: SW846 8015B

D22058-1, D22058-3, D22058-4

CAS No.	Compound	D22058-4 mg/kg	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1910	1410	3200	92	3140	87	2	62-130/30

CAS No.	Surrogate Recoveries	MS	MSD	D22058-4	Limits
120-82-1	1,2,4-Trichlorobenzene	97%	91%	88%	60-140%